

# Converting Colors

XYZ(78.8913, 94.6643, 92.8550)

Have a look what the booklet for  
XYZ(78.8913, 94.6643, 92.8550)  
contains.

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# Color

**XYZ(77.0499, 91.0735,  
92.1152)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FFEB
RGB	209, 255, 235
RGB Percent	82%, 100%, 92%
CMY	0.1804, 0.0000, 0.0784
CMYK	0.18, 0.00, 0.08, 0.00
HSL	154°, 100%, 91%
HSV	154°, 18%, 100%
XYZ	77.0499, 91.0735, 92.1152
YIQ	238.9660, -20.9960, -15.9720

# Conversions

## Conversions Part 2

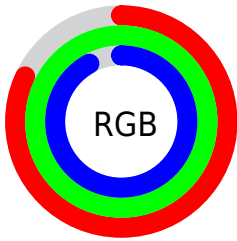
Format	Color
R <sub>Y</sub> B	209, 238, 255
Decimal	13762539
CIE Lab	96.44, -18.45, 4.71
CIE LCh	96, 19.038, 165.687
Yxy	91.0735, 0.2961, 0.3500
Android (android.graphics.Color)	4291952619 (0xFFD1FFEB)
YUV	238.9660, -1.9552, -26.2802
Hunter-Lab	95.4324, -22.8901, 9.5736

# Details

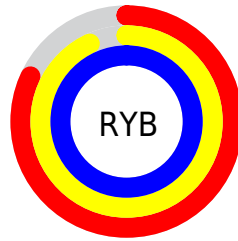
The XYZ color **77.0499, 91.0735, 92.1152** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.1838, 72.5191, 84.0057**, and the grayscale version is **82.0437, 86.3164, 93.9985**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6572, 50.5129, 50.2022** is the 20% darker color. If you saturate the color by 10%, you get **68.8511, 87.0262, 83.6298**, and if you desaturate by 10%, it is **86.5049, 95.7568, 101.1834**.

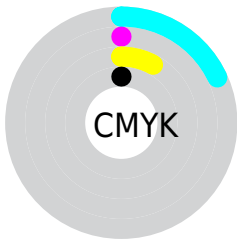
# Distribution



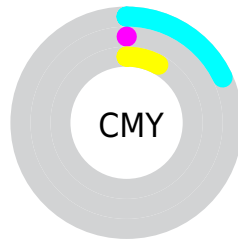
- Red (82%)
- Green (100%)
- Blue (92%)



- Red (82%)
- Yellow (93%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0499, 91.0735, 92.1152 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.0499, 91.0735, 92.1152 by changing the saturation by 10% instead.



77.0499, 91.0735,  
92.1152

77.0499, 91.0735,  
92.1152

473.8235,  
531.5167, 555.6344

57.5939, 68.8713,  
69.1528

128.1824,  
148.8286, 152.2341

41.7242, 50.6069,  
50.3636

160.5896,  
185.1504, 190.2277

29.0756, 35.8959,  
35.3292

198.0446,  
226.9475, 234.0687

19.2826, 24.3538,  
23.6310

240.9127,  
274.6043, 284.1757

11.9799, 15.5963,  
14.8504

289.5592,  
328.5053, 340.9672

6.8021, 9.2389,  
8.5690

344.3497,

3.3838, 4.8974,

389.0347, 404.8618

4.3682

405.6493,  
456.5771, 476.2781

■ 1.3599, 2.1872,  
1.8294

■ 0.2273, 0.7130,  
0.4473

■ 77.0499, 91.0735,  
92.1152

■ 77.0499, 91.0735,  
92.1152

■ 68.8511, 87.0262,  
83.6298

■ 86.5049, 95.7568,  
101.1834

■ 61.8495, 83.5847,  
75.7107

95.0500, 100.0000,  
108.9000

■ 55.9846, 80.7182,  
68.3469

■ 51.1898, 78.3924,  
61.5253

■ 47.3910, 76.5694,  
55.2321

■ 44.5040, 75.2060,  
49.4529

■ 42.4299, 74.2515,  
44.1719

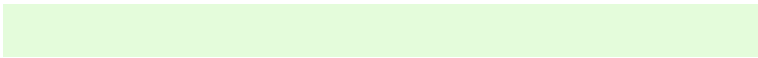
■ 41.0351, 73.6373,  
39.3715

■ 40.8044, 73.5378,  
38.4836

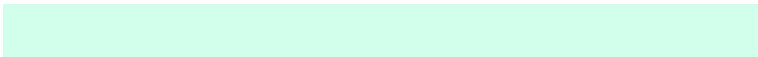
# Harmonies

## Analogous

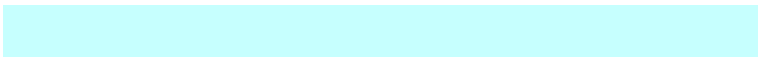
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.4668, 91.0735, 80.1232



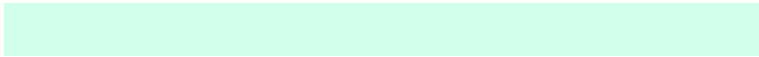
77.0499, 91.0735, 92.1152



77.1085, 91.0735, 107.2742

# Triad

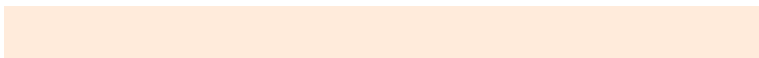
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0499, 91.0735, 92.1152



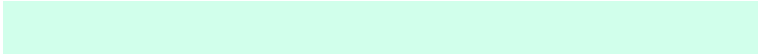
89.3502, 91.0735, 130.0327



93.8860, 91.0735, 79.6941

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77.0499, 91.0735, 92.1152



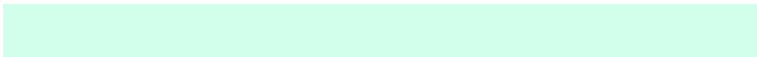
78.1838, 72.5191, 84.0057

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.7596, 91.0735, 91.4724



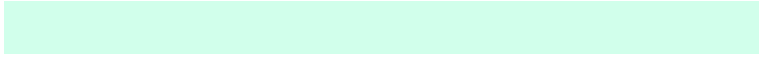
77.0499, 91.0735, 92.1152



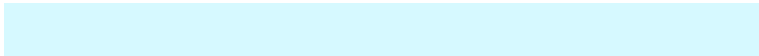
94.0687, 91.0735, 121.0041

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0499, 91.0735, 92.1152



84.0652, 91.0735, 130.2501



96.8278, 91.0735, 106.5626

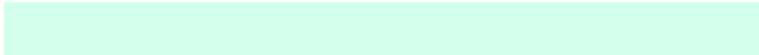


89.1090, 91.0735, 73.4642

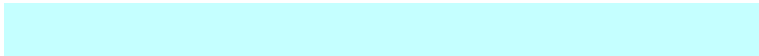


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



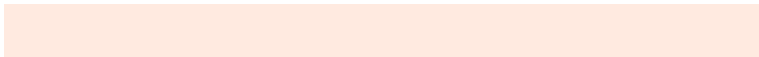
77.0499, 91.0735, 92.1152



78.5389, 91.0735, 117.2009



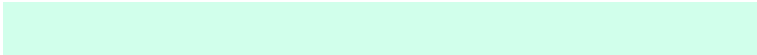
96.8278, 91.0735, 106.5626



95.1150, 91.0735, 83.0788

# Sweetspot

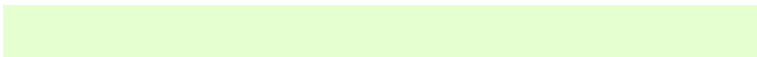
The Sweet Spot groups the original color and five complimentary colors.



77.0507, 91.0739, 92.1167



89.6341, 97.3096, 104.0549



79.8062, 92.8971, 74.0476



19.0282, 20.7502, 22.1289



0.0000, 0.0000, 0.0000

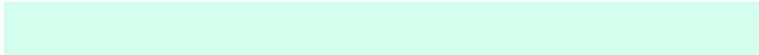


20.3446, 21.4041, 23.3091

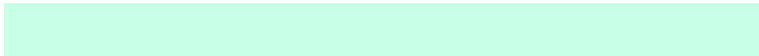


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0507, 91.0739, 92.1167



73.6554, 89.3959, 88.6858



79.3757, 90.8370, 107.9575



18.2017, 20.3402, 21.3650



21.3976, 38.4556, 20.5107



2.1383, 3.7662, 2.2860



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



78.1838, 72.5191, 84.0057



74.9989, 67.4042, 79.0748



76.1182, 72.6022, 70.3247



18.3373, 18.1182, 20.3934



23.1159, 11.7356, 9.2605

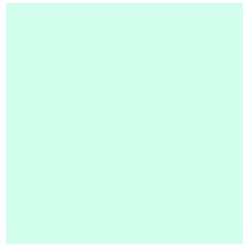


2.3043, 1.1641, 1.1841



# Previews

## White Background



This preview shows how the XYZ color 77.0499, 91.0735, 92.1152 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

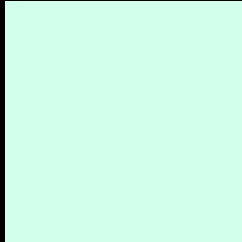
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.0499, 91.0735, 92.1152 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

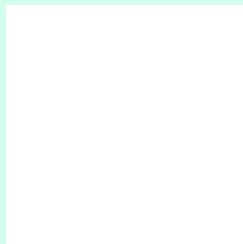
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 77.0499, 91.0735, 92.1152

## Background



This preview shows how black text looks on a background with the XYZ color 77.0499, 91.0735, 92.1152.



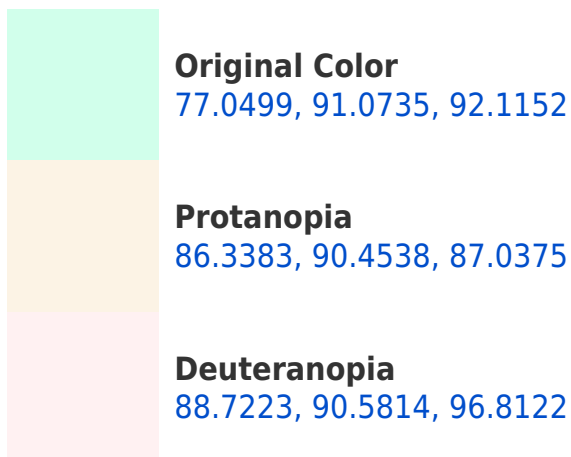
This preview shows how white text looks on a background with the XYZ color 77.0499, 91.0735,

92.1152.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





## Tritanopia

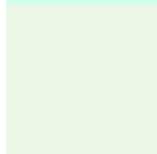
84.9150, 91.0652, 107.7096

# Trichromacy



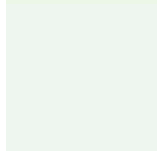
## Original Color

77.0499, 91.0735, 92.1152



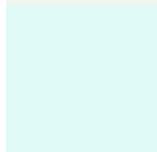
## Protanomaly

82.2766, 90.1239, 88.6605



## Deuteranomaly

83.7957, 90.3207, 94.6785



## Tritanomaly

81.8694, 90.9958, 102.0559

# Monochromacy



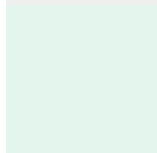
## Original Color

77.0499, 91.0735, 92.1152



## Achromatopsia

82.0431, 86.3157, 93.9978



## Achromatomaly

80.0799, 87.9718, 93.6485

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.0499, 91.0735, 92.1152 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(209, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 235)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(209, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 77.0499, 91.0735, 92.1152 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 255, 235) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(209, 255, 235) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(209, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.0499, 91.0735, 92.1152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 235) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(209,  
255, 235) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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