

Converting Colors

XYZ(77.7143, 88.3356, 92.1170)

Have a look what the booklet for
XYZ(77.7143, 88.3356, 92.1170)
contains.

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Color

**XYZ(77.6212, 88.0964,
92.2701)**

Conversions

Conversions Part 1

Format	Color
Hex	DAF8EC
RGB	218, 248, 236
RGB Percent	85%, 97%, 93%
CMY	0.1451, 0.0274, 0.0745
CMYK	0.12, 0.00, 0.05, 0.03
HSL	156°, 68%, 91%
HSV	156°, 12%, 97%
XYZ	77.6212, 88.0964, 92.2701
YIQ	237.6620, -14.0280, -10.0920

Conversions

Conversions Part 2

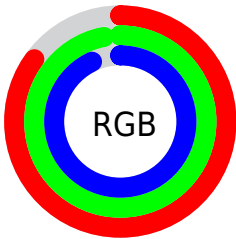
Format	Color
R _Y B	218, 237, 248
Decimal	14350572
CIE Lab	95.20, -11.96, 2.46
CIE LCh	95, 12.209, 168.354
Yxy	88.0964, 0.3009, 0.3415
Android (android.graphics.Color)	4292540652 (0xFFDAF8EC)
YUV	237.6620, -0.8194, -17.2436
Hunter-Lab	93.8597, -16.6364, 7.4159

Details

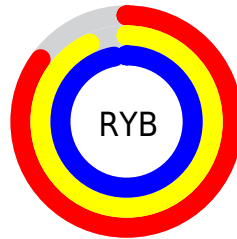
The XYZ color **77.6212, 88.0964, 92.2701** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.0690, 75.8148, 85.3861**, and the grayscale version is **81.0227, 85.2422, 92.8288**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1921, 48.7811, 50.3719** is the 20% darker color. If you saturate the color by 10%, you get **69.3512, 83.9975, 84.5668**, and if you desaturate by 10%, it is **87.0860, 92.8069, 100.4511**.

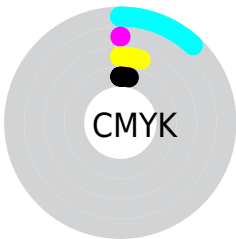
Distribution



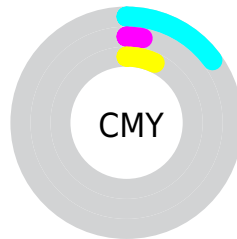
- Red (85%)
- Green (97%)
- Blue (93%)



- Red (85%)
- Yellow (93%)
- Blue (97%)



- Cyan (12%)
- Magenta (0%)
- Yellow (5%)
- Black (3%)



- Cyan (15%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6212, 88.0964, 92.2701 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 77.6212, 88.0964, 92.2701 by changing the saturation by 10% instead.

77.6212, 88.0964,
92.2701

77.6212, 88.0964,
92.2701

475.7389,
521.8189, 556.1476

58.0646, 66.4029,
69.2807

128.9842,
144.6914, 152.4506

42.1040, 48.5995,
50.4672

161.5213,
180.3616, 190.4789

29.3742, 34.3019,
35.4110

199.1158,
221.4596, 234.3571

19.5098, 23.1256,
23.6935

242.1333,
268.3697, 284.5039

12.1454, 14.6863,
14.8963

290.9390,
321.4762, 341.3378

6.9157, 8.5995,
8.6009

345.8982,

3.4553, 4.4809,

381.1637, 405.2774

4.3885

407.3764,
447.8164, 476.7411

■ 1.3989, 1.9460,
1.8408

■ 0.2554, 0.5758,
0.4547

■ 77.6212, 88.0964,
92.2701

■ 77.6212, 88.0964,
92.2701

■ 69.3512, 83.9975,
84.5668

■ 87.0860, 92.8069,
100.4511

■ 62.2181, 80.4731,
77.3262

■ 92.8591, 95.6182,
108.1697

■ 56.1702, 77.4992,
70.5410

■ 51.1489, 75.0457,
64.2012

■ 47.0897, 73.0796,
58.2967

■ 43.9204, 71.5638,
52.8165

■ 41.5582, 70.4558,
47.7491

■ 39.9033, 69.7042,
43.0818

■ 38.9767, 69.3012,
39.6658

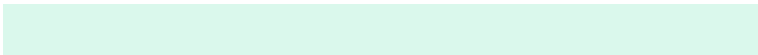
Harmonies

Analogous

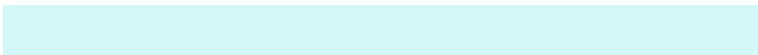
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0420, 88.0964, 84.2525



77.6212, 88.0964, 92.2701



77.8056, 88.0964, 101.8087

Triad

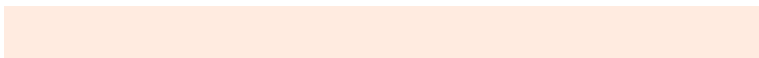
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6212, 88.0964, 92.2701



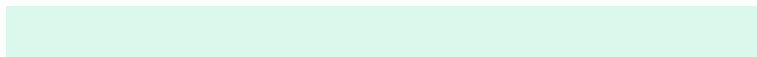
85.7640, 88.0964, 114.3872



88.0574, 88.0964, 82.8697

Complementary

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



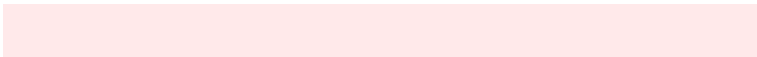
77.6212, 88.0964, 92.2701



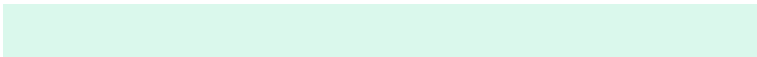
78.0690, 75.8148, 85.3861

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.



89.9541, 88.0964, 90.2667



77.6212, 88.0964, 92.2701



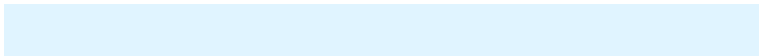
88.6060, 88.0964, 108.6221

Square

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



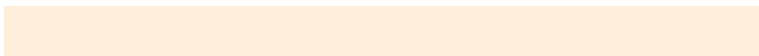
77.6212, 88.0964, 92.2701



82.4479, 88.0964, 115.0124



90.1575, 88.0964, 99.6690



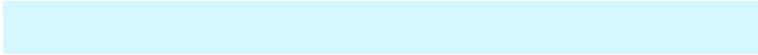
85.0313, 88.0964, 79.0704

Rectangle

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



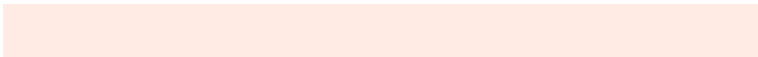
77.6212, 88.0964, 92.2701



78.8148, 88.0964, 107.7482



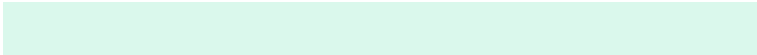
90.1575, 88.0964, 99.6690



88.8516, 88.0964, 84.9945

Sweetspot

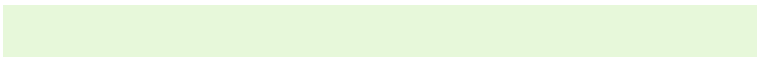
The Sweet Spot groups the original color and five complimentary colors.



77.6237, 88.1001, 92.2721



90.7463, 97.8565, 105.3054



79.0191, 89.1066, 79.3655



19.2552, 20.8616, 22.3970



0.0000, 0.0000, 0.0000



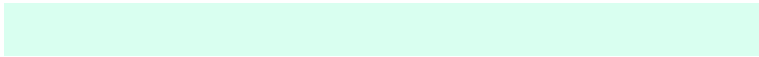
20.3446, 21.4041, 23.3091

Same Dimension

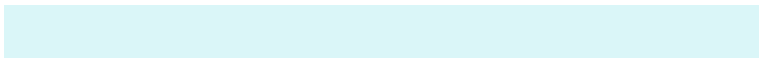
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6237, 88.1001, 92.2721



79.9842, 92.5067, 95.8423



78.6636, 87.2943, 101.5148



17.4546, 19.4841, 20.5946



21.1254, 37.4631, 21.8013



2.0089, 3.4907, 2.2948

Inverse Universe

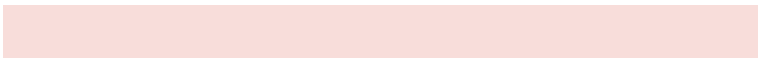
The Inverse Universe completely reimagines the original color for something new.



78.0690, 75.8148, 85.3861



80.5615, 76.5861, 86.9199



77.0937, 76.4699, 77.0279



17.5323, 17.3403, 19.3929



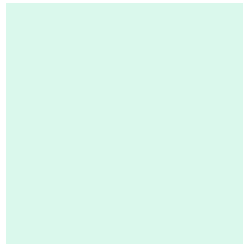
22.1989, 11.2953, 7.7559



2.1068, 1.0664, 0.9856

Previews

White Background



This preview shows how the XYZ color 77.6212, 88.0964, 92.2701 looks on a white background.

Color Contrast Check

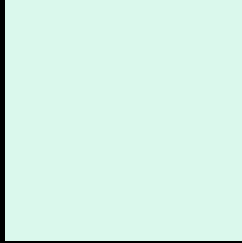
Large Text (above 18pt) WCAG AA × Fail

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 77.6212, 88.0964, 92.2701 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

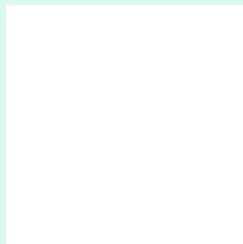
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.6212, 88.0964, 92.2701

Background



This preview shows how black text looks on a background with the XYZ color 77.6212, 88.0964, 92.2701.



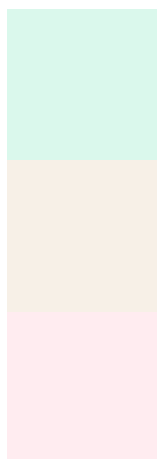
This preview shows how white text looks on a background with the XYZ color 77.6212, 88.0964,

92.2701.

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



Original Color

77.6212, 88.0964, 92.2701

Protanopia

83.9417, 87.8639, 88.1365

Deuteranopia

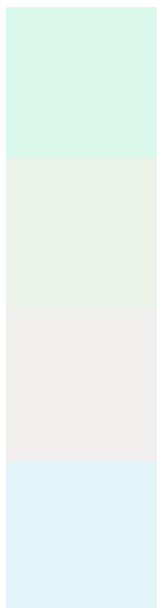
86.9636, 87.5422, 94.7519



Tritanopia

82.7337, 88.1442, 107.2607

Trichromacy



Original Color

77.6212, 88.0964, 92.2701

Protanomaly

81.3506, 87.8172, 89.7536

Deuteranomaly

83.3580, 87.4294, 94.1435

Tritanomaly

80.9597, 88.2509, 101.5740

Monochromacy



Original Color

77.6212, 88.0964, 92.2701

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

79.9932, 86.6076, 92.6216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6212, 88.0964, 92.2701 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(218, 248, 236)` looks like.

```
.text, #text, p{  
    color:rgb(218, 248, 236)  
}
```

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(218, 248, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 248, 236) }
```

Border

The CSS property to change the border of an element to XYZ 77.6212, 88.0964, 92.2701 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(218, 248, 236) }
```


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

```
.border{ border-color:rgb(218, 248, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 248, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 248, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 248, 236);  
box-shadow:4px 4px 4px 4px rgb(218, 248,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6212, 88.0964, 92.2701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 248, 236) }
```

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

```
.background{ background-color: rgb(218,  
248, 236) }
```

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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