

# Converting Colors

XYZ(78.0213, 79.7088,  
117.8333)

Have a look what the booklet for  
XYZ(78.0213, 79.7088, 117.8333)  
contains.

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# Color

**XYZ(75.8620, 79.0293,  
105.8636)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCE6FF
RGB	220, 230, 255
RGB Percent	86%, 90%, 100%
CMY	0.1372, 0.0980, 0.0000
CMYK	0.14, 0.10, 0.00, 0.00
HSL	223°, 100%, 93%
HSV	223°, 14%, 100%
XYZ	75.8620, 79.0293, 105.8636
YIQ	229.8600, -13.9850, 5.6550

# Conversions

## Conversions Part 2

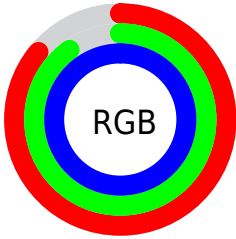
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 228, 255
Decimal	14477055
CIE Lab	91.25, 1.53, -13.22
CIE LCh	91, 13.312, 276.588
Yxy	79.0293, 0.2909, 0.3031
Android (android.graphics.Color)	4292667135 (0xFFDCE6FF)
YUV	229.8600, 12.3940, -8.6472
Hunter-Lab	88.8984, -3.2482, -8.3759

# Details

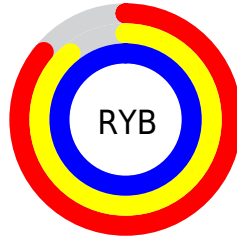
The XYZ color **75.8620, 79.0293, 105.8636** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.8101, 91.7305, 80.8420**, and the grayscale version is **75.0308, 78.9383, 85.9638**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0401, 42.7365, 59.5120** is the 20% darker color. If you saturate the color by 10%, you get **63.9191, 65.7397, 103.9279**, and if you desaturate by 10%, it is **89.5158, 93.9911, 108.0319**.

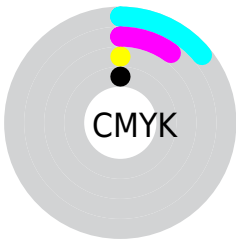
# Distribution



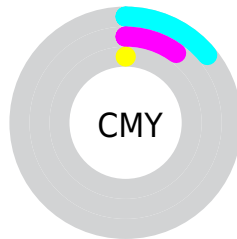
- Red (86%)
- Green (90%)
- Blue (100%)



- Red (86%)
- Yellow (89%)
- Blue (100%)



- Cyan (14%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8620, 79.0293, 105.8636 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 75.8620, 79.0293, 105.8636 by changing the saturation by 10% instead.



■ 75.8620, 79.0293,  
105.8636

■ 75.8620, 79.0293,  
105.8636

469.8268,  
491.6555, 600.2393

■ 56.6160, 58.9199,  
80.5624

126.5132,  
132.0001, 171.3139

■ 40.9360, 42.5486,  
59.6523

158.6492,  
165.6303, 212.3001

■ 28.4565, 29.5311,  
42.7150

195.8125,  
204.5362, 259.3517

■ 18.8123, 19.4830,  
29.3318

238.3685,  
249.1023, 312.8872

■ 11.6379, 12.0198,  
19.0842

286.6826,  
299.7128, 373.3251

■ 6.5681, 6.7572,  
11.5537

341.1201,

■ 3.2374, 3.3107,

356.7523, 441.0841

6.3218

402.0464,  
420.6050, 516.5826

■ 1.2805, 1.2960,  
2.9698

■ 0.1686, 0.1381,  
1.0792

■ 75.8620, 79.0293,  
105.8636

■ 75.8620, 79.0293,  
105.8636

■ 63.9191, 65.7397,  
103.9279

■ 89.5158, 93.9911,  
108.0319

■ 53.6115, 54.0529,  
102.2154

95.0500, 100.0000,  
108.9000

■ 44.8670, 43.9088,  
100.7182

■ 37.6053, 35.2393,  
99.4276

■ 31.7389, 27.9711,  
98.3339

■ 27.1701, 22.0238,  
97.4267

■ 23.7876, 17.3078,  
96.6947

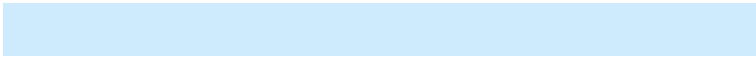
■ 21.4583, 13.7193,  
96.1249

■ 20.4249, 11.9698,  
95.8416

# Harmonies

## Analogous

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



72.5659, 79.0293, 104.2560



75.8620, 79.0293, 105.8636



79.0498, 79.0293, 101.8513

# Triad

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



75.8620, 79.0293, 105.8636



80.4469, 79.0293, 75.4402



69.3159, 79.0293, 78.8742

# Complementary

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



75.8620, 79.0293, 105.8636



86.8101, 91.7305, 80.8420

# Split Complementary

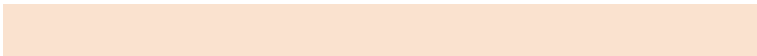
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.3129, 79.0293, 71.9729



75.8620, 79.0293, 105.8636



77.7230, 79.0293, 70.0965

# Square

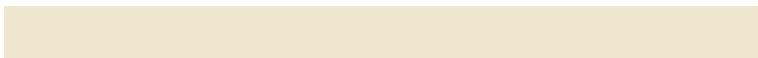
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8620, 79.0293, 105.8636



81.7476, 79.0293, 83.9347



74.3729, 79.0293, 68.8761



68.8511, 79.0293, 88.1995



# Rectangle

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



75.8620, 79.0293, 105.8636



80.6631, 79.0293, 96.6944



74.3729, 79.0293, 68.8761



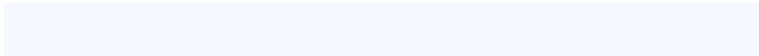
69.8273, 79.0293, 76.2160

# Sweetspot

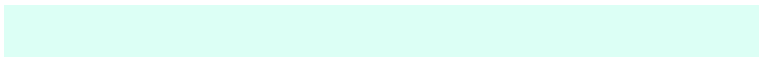
The Sweet Spot groups the original color and five complimentary colors.



75.8641, 79.0325, 105.8641



89.1164, 93.5564, 107.9690



81.6811, 93.2981, 99.6903



18.8425, 19.7722, 23.0732



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.



75.8641, 79.0325, 105.8641



72.9986, 75.8636, 105.4034



75.3229, 74.7387, 105.0638



17.4258, 18.2232, 22.8489



10.7817, 6.4730, 50.1157



1.1382, 0.8071, 4.9091



# Inverse Universe

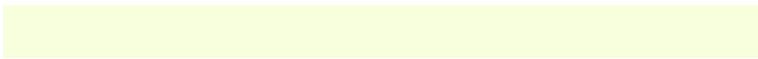
The Inverse Universe completely reimagines the original color for something new.



81.1174, 78.1610, 85.6779



79.0457, 74.9378, 82.1501



87.3901, 96.6440, 81.7599



18.2228, 18.0724, 19.7905



22.2303, 11.3814, 4.5973

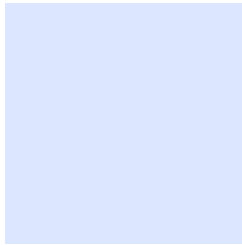


2.2091, 1.1260, 0.6827



# Previews

## White Background



This preview shows how the XYZ color 75.8620, 79.0293, 105.8636 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

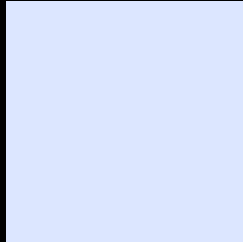
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.8620, 79.0293, 105.8636 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

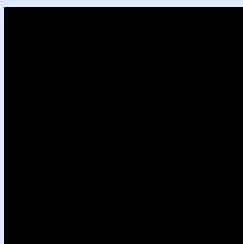
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 75.8620, 79.0293, 105.8636

## Background



This preview shows how black text looks on a background with the XYZ color 75.8620, 79.0293, 105.8636.



This preview shows how white text looks on a background with the XYZ color 75.8620, 79.0293,



# 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

75.8620, 79.0293, 105.8636

### Protanopia

77.3113, 78.9735, 104.9346

### Deuteranopia

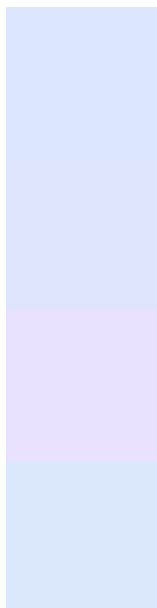
80.3023, 78.8820, 105.6011



## Tritanopia

74.8882, 79.0515, 100.9340

# Trichromacy



## Original Color

75.8620, 79.0293, 105.8636

## Protanomaly

76.6492, 79.0417, 104.9827

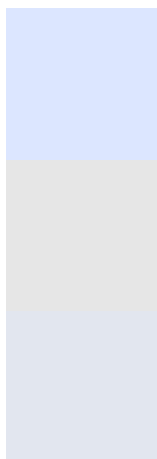
## Deuteranomaly

78.5251, 78.7685, 105.6729

## Tritanomaly

75.2019, 79.1769, 102.5859

# Monochromacy



## Original Color

75.8620, 79.0293, 105.8636

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.2408, 78.9944, 92.9432

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.8620, 79.0293, 105.8636 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(220, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 230, 255)  
}
```

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(220, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 230, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.8620, 79.0293, 105.8636 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(220, 230, 255) }
```



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

```
.border{ border-color:rgb(220, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 230,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.8620, 79.0293, 105.8636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 230, 255) }
```

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

```
.background{ background-color: rgb(220,  
230, 255) }
```

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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