

# Converting Colors

XYZ(75.5466, 78.7124,  
105.8190)

Have a look what the booklet for  
XYZ(75.5466, 78.7124, 105.8190)  
contains.

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# **Color**

**XYZ(75.5602, 78.8737,  
105.8494)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBE6FF
RGB	219, 230, 255
RGB Percent	86%, 90%, 100%
CMY	0.1412, 0.0980, 0.0000
CMYK	0.14, 0.10, 0.00, 0.00
HSL	222°, 100%, 93%
HSV	222°, 14%, 100%
XYZ	75.5602, 78.8737, 105.8494
YIQ	229.5610, -14.5810, 5.4430

# Conversions

## Conversions Part 2

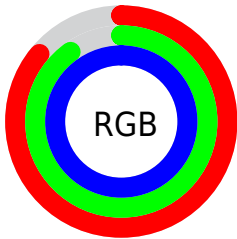
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 227, 255
Decimal	14411519
CIE <sub>Lab</sub>	91.18, 1.22, -13.34
CIE <sub>LCh</sub>	91, 13.392, 275.206
Yxy	78.8737, 0.2903, 0.3030
Android (android.graphics.Color)	4292601599 (0xFFDBE6FF)
YUV	229.5610, 12.5414, -9.2620
Hunter-Lab	88.8109, -3.5514, -8.4973

# Details

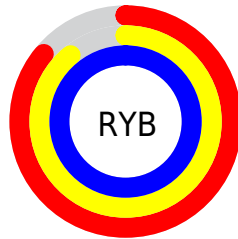
The XYZ color **75.5602, 78.8737, 105.8494** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.3763, 91.0742, 80.0460**, and the grayscale version is **74.8094, 78.7053, 85.7101**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8329, 42.6297, 59.5023** is the 20% darker color. If you saturate the color by 10%, you get **63.7890, 65.8603, 103.9580**, and if you desaturate by 10%, it is **89.0113, 93.5003, 107.9637**.

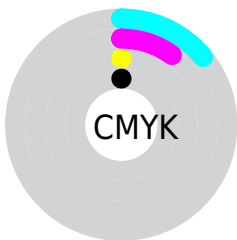
# Distribution



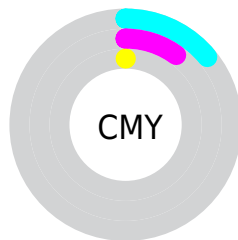
- Red (86%)
- Green (90%)
- Blue (100%)



- 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 75.5602, 78.8737, 105.8494 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 75.5602, 78.8737, 105.8494 by changing the saturation by 10% instead.



■ 75.5602, 78.8737,  
105.8494

■ 75.5602, 78.8737,  
105.8494

468.8084,  
491.1290, 600.1941

■ 56.3677, 58.7920,  
80.5505

126.0887,  
131.7810, 171.2944

■ 40.7360, 42.4457,  
59.6426

158.1555,  
165.3754, 212.2775

■ 28.2996, 29.4504,  
42.7073

195.2444,  
204.2429, 259.3259

■ 18.6932, 19.4218,  
29.3258

237.7208,  
248.7677, 312.8579

■ 11.5515, 11.9755,  
19.0797

285.9500,  
299.3343, 373.2922

■ 6.5091, 6.7270,  
11.5505

340.2975,

■ 3.2006, 3.2919,

356.3271, 441.0473

6.3196

401.1285,  
420.1306, 516.5418

■ 1.2607, 1.2860,  
2.9685

■ 0.1535, 0.1303,  
1.0785

■ 75.5602, 78.8737,  
105.8494

■ 75.5602, 78.8737,  
105.8494

■ 63.7890, 65.8603,  
103.9580

■ 89.0113, 93.5003,  
107.9637

■ 53.6231, 54.3933,  
102.2805

95.0500, 100.0000,  
108.9000

■ 44.9917, 44.4152,  
100.8094

■ 37.8158, 35.8609,  
99.5365

■ 32.0093, 28.6602,  
98.4526

■ 27.4758, 22.7361,  
97.5481

■ 24.1054, 18.0026,  
96.8121

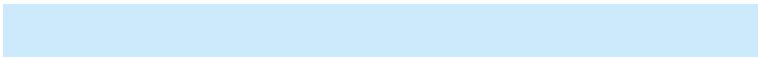
■ 21.7663, 14.3600,  
96.2323

■ 20.7702, 12.6605,  
95.9567

# Harmonies

## Analogous

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



72.2661, 78.8737, 103.9706



75.5602, 78.8737, 105.8494



78.7890, 78.8737, 102.0580

# Triad

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



75.5602, 78.8737, 105.8494



80.4214, 78.8737, 75.5589



69.2027, 78.8737, 78.2853

# Complementary

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



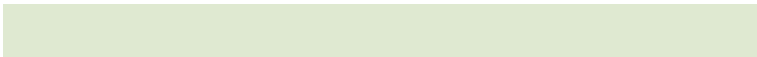
75.5602, 78.8737, 105.8494



86.3763, 91.0742, 80.0460

# Split Complementary

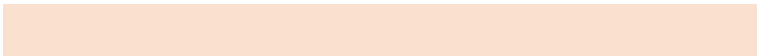
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.2708, 78.8737, 71.5090



75.5602, 78.8737, 105.8494



77.7346, 78.8737, 70.0200

# Square

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



75.5602, 78.8737, 105.8494



81.6492, 78.8737, 84.1970



74.3771, 78.8737, 68.5949



68.6599, 78.8737, 87.5854



# Rectangle

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



75.5602, 78.8737, 105.8494



80.4496, 78.8737, 96.9816



74.3771, 78.8737, 68.5949



69.7395, 78.8737, 75.6598

# Sweetspot

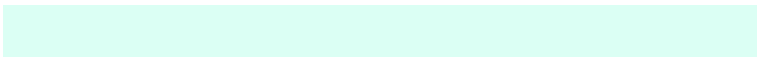
The Sweet Spot groups the original color and five complimentary colors.



75.5623, 78.8769, 105.8499



89.1785, 93.6807, 107.9897



81.2426, 93.0878, 98.9562



18.8582, 19.8035, 23.0785



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.



75.5623, 78.8769, 105.8499



71.9988, 74.9615, 105.2820



74.6214, 73.9887, 104.9560



17.4557, 18.2831, 22.8589



10.9677, 6.8449, 50.1777



1.1595, 0.8497, 4.9162



# Inverse Universe

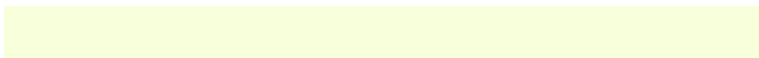
The Inverse Universe completely reimagines the original color for something new.



80.8557, 77.6377, 85.5907



78.2731, 73.6030, 81.2441



87.4000, 96.6643, 81.0710



18.2379, 18.0785, 19.8701



22.3242, 11.4190, 5.0916

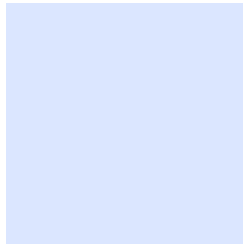


2.2199, 1.1303, 0.7392



# Previews

## White Background



This preview shows how the XYZ color 75.5602, 78.8737, 105.8494 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

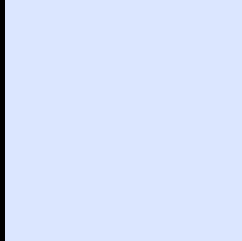
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.5602, 78.8737, 105.8494 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 75.5602, 78.8737, 105.8494

## Background



This preview shows how black text looks on a background with the XYZ color 75.5602, 78.8737, 105.8494.



This preview shows how white text looks on a background with the XYZ color 75.5602, 78.8737,



# 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

75.5602, 78.8737, 105.8494

### Protanopia

76.9968, 78.8113, 104.9199

### Deuteranopia

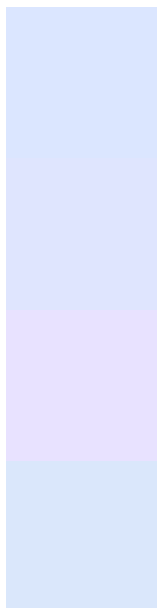
80.3023, 78.8820, 105.6011



## Tritanopia

74.5882, 78.8968, 100.9199

# Trichromacy



## Original Color

75.5602, 78.8737, 105.8494

## Protanomaly

76.3401, 78.8824, 104.9682

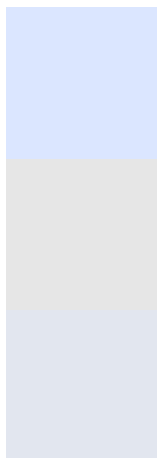
## Deuteranomaly

78.5251, 78.7685, 105.6729

## Tritanomaly

74.9019, 79.0223, 102.5719

# Monochromacy



## Original Color

75.5602, 78.8737, 105.8494

## 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 75.5602, 78.8737, 105.8494 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(219, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 230, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.5602, 78.8737, 105.8494 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".

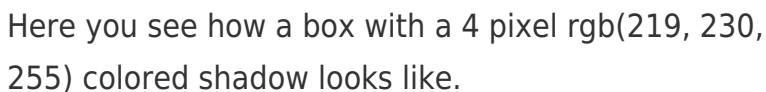
```
.border, #border, table{ border:4px solid rgb(219, 230, 255) }
```



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

```
.border{ border-color:rgb(219, 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(219, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 230, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 230, 255); box-shadow:4px 4px 4px 4px rgb(219, 230, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.5602, 78.8737, 105.8494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 230, 255) }
```

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

```
.background{ background-color: rgb(219,  
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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