

# Converting Colors

XYZ(68.8450, 75.9362, 95.1402)

Have a look what the booklet for  
XYZ(68.8450, 75.9362, 95.1402)  
contains.

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# Color

**XYZ(68.9600, 76.1192,  
95.0623)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAE7F2
RGB	202, 231, 242
RGB Percent	79%, 91%, 95%
CMY	0.2078, 0.0941, 0.0510
CMYK	0.17, 0.05, 0.00, 0.05
HSL	196°, 61%, 87%
HSV	196°, 17%, 95%
XYZ	68.9600, 76.1192, 95.0623
YIQ	223.5830, -20.8150, -2.7270

# Conversions

## Conversions Part 2

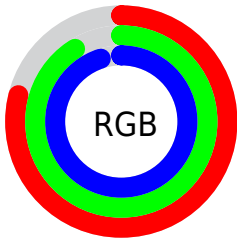
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	202, 219, 242
Decimal	13297650
CIE <sub>Lab</sub>	89.91, -7.24, -8.54
CIE <sub>LCh</sub>	90, 11.198, 229.702
Y <sub>xy</sub>	76.1192, 0.2872, 0.3170
Android (android.graphics.Color)	4291487730 (0xFFCAE7F2)
Y <sub>UV</sub>	223.5830, 9.0796, -18.9283
Hunter-Lab	87.2463, -11.5936, -3.5291

# Details

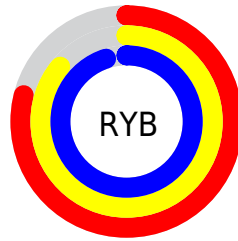
The XYZ color **68.9600, 76.1192, 95.0623** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.0733, 70.7298, 65.7847**, and the grayscale version is **70.5038, 74.1755, 80.7771**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2255, 40.4082, 52.3446** is the 20% darker color. If you saturate the color by 10%, you get **61.0923, 69.3531, 94.1722**, and if you desaturate by 10%, it is **77.9298, 83.5625, 96.0275**.

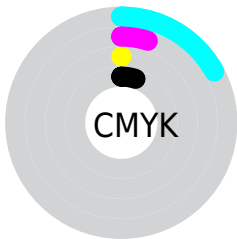
# Distribution



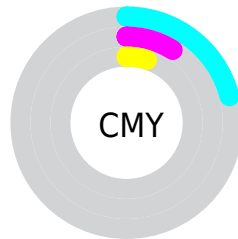
- Red (79%)
- Green (91%)
- Blue (95%)



- Red (79%)
- Yellow (86%)
- Blue (95%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (21%)
- Magenta (9%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9600, 76.1192, 95.0623 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 68.9600, 76.1192, 95.0623 by changing the saturation by 10% instead.



■ 68.9600, 76.1192,  
95.0623

■ 68.9600, 76.1192,  
95.0623

446.2135,  
481.7556, 565.3538

■ 50.9557, 56.5303,  
71.5897

116.7588,  
127.8954, 156.3470

■ 36.3942, 40.6282,  
52.3388

147.2840,  
160.8514, 194.9961

■ 24.9103, 28.0287,  
36.8911

182.7135,  
199.0319, 239.5412

■ 16.1386, 18.3473,  
24.8280

223.4127,  
242.8213, 290.4006

■ 9.7138, 11.1996,  
15.7311

269.7470,  
292.6040, 347.9931

■ 5.2704, 6.2013,  
9.1818

322.0816,

■ 2.4432, 2.9678,

348.7644, 412.7371

4.7615

380.7820,  
411.6868, 485.0512

■ 0.8667, 1.1150,  
2.0517

■ 0.0000, 0.0000,  
0.5868

■ 68.9600, 76.1192,  
95.0623

■ 68.9600, 76.1192,  
95.0623

■ 61.0923, 69.3531,  
94.1722

■ 77.9298, 83.5625,  
96.0275

■ 54.2714, 63.2286,  
93.3496

■ 88.0403, 91.6981,  
97.0649

■ 48.4473, 57.7208,  
92.5934

■ 91.7532, 96.6429,  
97.8237

■ 43.5629, 52.7990,  
91.9008

■ 93.0272, 99.1909,  
98.2483

■ 39.5553, 48.4295,  
91.2687

■ 36.3529, 44.5742,  
90.6933

■ 33.8724, 41.1890,  
90.1706

■ 32.0091, 38.2185,  
89.6955

■ 31.4490, 37.2544,  
89.5389

# Harmonies

## Analogous

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



67.4516, 76.1192, 88.1282



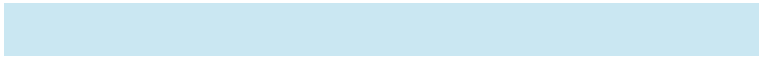
68.9600, 76.1192, 95.0623



71.4014, 76.1192, 98.8060

# Triad

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



68.9600, 76.1192, 95.0623



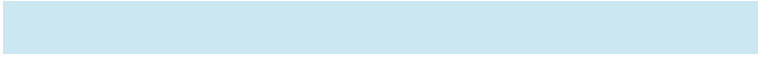
77.7147, 76.1192, 85.6366



70.5690, 76.1192, 69.3388

# Complementary

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



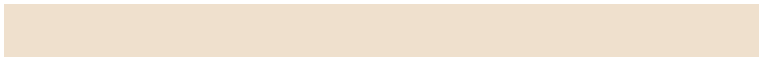
68.9600, 76.1192, 95.0623



71.0733, 70.7298, 65.7847

# Split Complementary

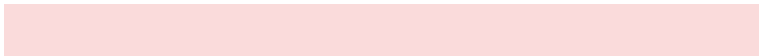
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.3050, 76.1192, 68.7660



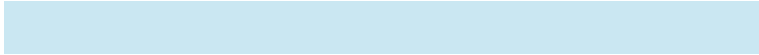
68.9600, 76.1192, 95.0623



77.4780, 76.1192, 77.8461

# Square

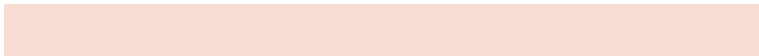
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



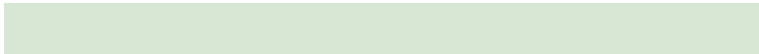
68.9600, 76.1192, 95.0623



76.4860, 76.1192, 93.1387



75.8473, 76.1192, 71.7872



68.3640, 76.1192, 73.4053



# Rectangle

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



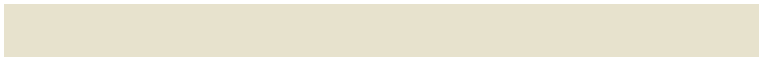
68.9600, 76.1192, 95.0623



73.2499, 76.1192, 98.8370



75.8473, 76.1192, 71.7872



71.4555, 76.1192, 68.7417

# Sweetspot

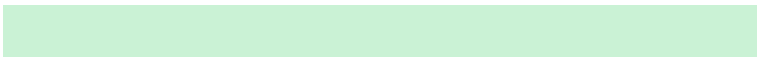
The Sweet Spot groups the original color and five complimentary colors.



68.9622, 76.1223, 95.0640



89.4058, 95.4454, 108.3184



68.0785, 80.8493, 74.7479



18.9723, 20.2956, 23.1675



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

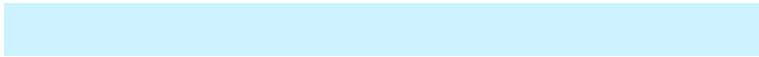


# Same Dimension

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



68.9622, 76.1223, 95.0640



74.4010, 82.9556, 106.6984



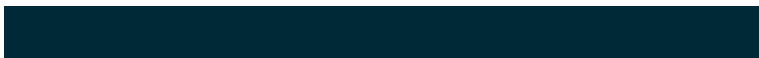
63.7626, 65.7231, 93.3308



15.8586, 17.1513, 20.1963



17.0145, 20.2532, 48.1404



1.4981, 1.8501, 4.0324



# Inverse Universe

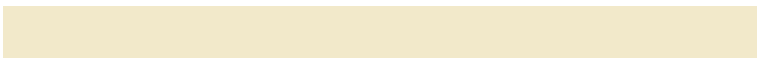
The Inverse Universe completely reimagines the original color for something new.



72.1640, 66.8894, 84.7124



78.7069, 70.7954, 92.7193



76.3245, 81.2321, 67.5351



16.2581, 15.9529, 18.9151



23.9137, 11.8379, 23.2601

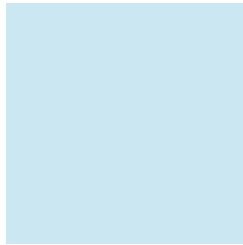


2.0311, 1.0015, 2.1546



# Previews

## White Background



This preview shows how the XYZ color 68.9600, 76.1192, 95.0623 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

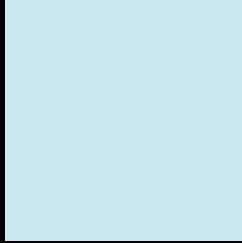
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.9600, 76.1192, 95.0623 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

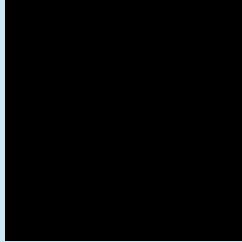
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 68.9600, 76.1192, 95.0623**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.9600, 76.1192, 95.0623.



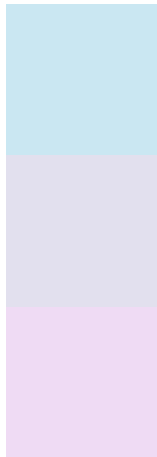
This preview shows how white text looks on a background with the XYZ color 68.9600, 76.1192,

95.0623.

# 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

68.9600, 76.1192, 95.0623

### Protanopia

73.4523, 75.6531, 91.6201

### Deuteranopia

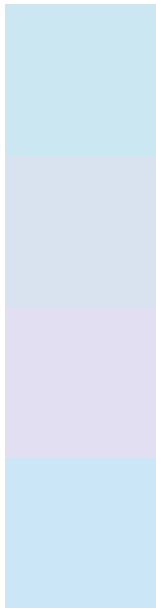
77.2573, 75.5454, 96.0978



## Tritanopia

69.8687, 76.0674, 99.8069

# Trichromacy



## Original Color

68.9600, 76.1192, 95.0623

## Protanomaly

71.6643, 75.9219, 92.5386

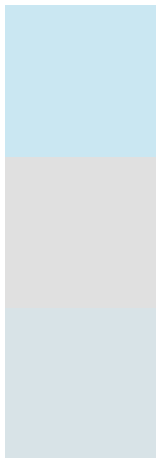
## Deuteranomaly

73.9294, 75.4152, 95.4541

## Tritanomaly

69.5600, 75.9440, 98.1812

# Monochromacy



## Original Color

68.9600, 76.1192, 95.0623

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.2118, 75.3066, 86.4364

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.9600, 76.1192, 95.0623 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(202, 231, 242)` looks like.

```
.text, #text, p{  
    color:rgb(202, 231, 242)  
}
```

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(202, 231, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 231, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 68.9600, 76.1192, 95.0623 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(202, 231, 242) }
```



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

```
.border{ border-color:rgb(202, 231, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 231, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 231, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 231, 242);  
box-shadow:4px 4px 4px 4px rgb(202, 231,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.9600, 76.1192, 95.0623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 231, 242) }
```

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

```
.background{ background-color: rgb(202,  
231, 242) }
```

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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