

# Converting Colors

XYZ(65.3931, 76.3865, 98.0515)

Have a look what the booklet for  
XYZ(65.3931, 76.3865, 98.0515)  
contains.

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# Color

**XYZ(65.2993, 76.2868,  
97.6694)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4ECF5
RGB	180, 236, 245
RGB Percent	71%, 93%, 96%
CMY	0.2941, 0.0745, 0.0392
CMYK	0.27, 0.04, 0.00, 0.04
HSL	188°, 76%, 83%
HSV	188°, 27%, 96%
XYZ	65.2993, 76.2868, 97.6694
YIQ	220.2820, -36.2650, -9.0730

# Conversions

## Conversions Part 2

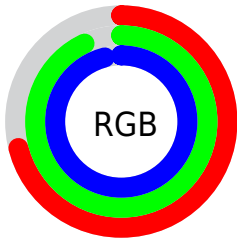
Format	Color
R <sub>Y</sub> B	180, 210, 245
Decimal	11857141
CIE Lab	89.99, -15.67, -10.14
CIE LCh	90, 18.666, 212.899
Yxy	76.2868, 0.2729, 0.3189
Android (android.graphics.Color)	4290047221 (0xFFB4ECF5)
YUV	220.2820, 12.1860, -35.3273
Hunter-Lab	87.3423, -19.3980, -5.1606

# Details

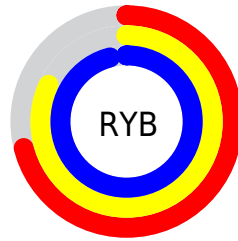
The XYZ color **65.2993, 76.2868, 97.6694** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.0929, 59.1035, 51.2117**, and the grayscale version is **68.1620, 71.7117, 78.0940**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **33.9640, 40.6766, 54.2054** is the 20% darker color. If you saturate the color by 10%, you get **59.1255, 71.6702, 97.1050**, and if you desaturate by 10%, it is **72.5042, 81.4663, 98.2907**.

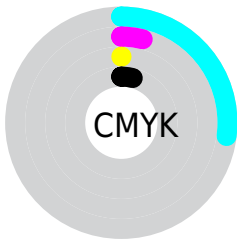
# Distribution



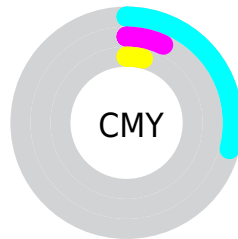
- Red (71%)
- Green (93%)
- Blue (96%)



- Red (71%)
- Yellow (82%)
- Blue (96%)



- Cyan (27%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)



- Cyan (29%)
- Magenta (7%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.2993, 76.2868, 97.6694 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 65.2993, 76.2868, 97.6694 by changing the saturation by 10% instead.



65.2993, 76.2868,  
97.6694

65.2993, 76.2868,  
97.6694

433.3950,  
482.3289, 573.8771

47.9694, 56.6677,  
73.7496

111.5434,  
128.1322, 159.9745

34.0138, 40.7385,  
54.0936

141.1883,  
161.1274, 199.1969

23.0672, 28.1148,  
38.2828

175.6689,  
199.3500, 244.3573

14.7641, 18.4122,  
25.8987

215.3505,  
243.1844, 295.8741

8.7392, 11.2464,  
16.5228

260.5986,  
293.0152, 354.1660

4.6272, 6.2328,  
9.7365

311.7785,

2.0627, 2.9871,

349.2266, 419.6514

5.1213

369.2555,  
412.2030, 492.7489

■ 0.6688, 1.1250,  
2.2586

■ 0.0000, 0.0000,  
0.7079

■ 65.2993, 76.2868,  
97.6694

■ 65.2993, 76.2868,  
97.6694

■ 59.1255, 71.6702,  
97.1050

■ 72.5042, 81.4663,  
98.2907

■ 53.9230, 67.5797,  
96.5896

■ 80.7828, 87.2251,  
98.9659

■ 49.6358, 63.9884,  
96.1224

■ 90.1834, 93.5901,  
99.6990

■ 46.1997, 60.8629,  
95.7002

■ 91.7737, 95.9568,  
100.0720

■ 43.5419, 58.1655,  
95.3196

■ 92.8347, 98.0786,  
100.4256

■ 41.5770, 55.8521,  
94.9767

■ 93.4817, 99.3727,  
100.6413

■ 40.1980, 53.8673,  
94.6663

■ 39.7980, 53.2253,  
94.5634

# Harmonies

## Analogous

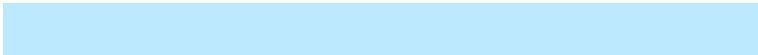
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.9896, 76.2868, 84.3573



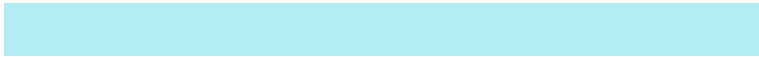
65.2993, 76.2868, 97.6694



68.5345, 76.2868, 107.8441

# Triad

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



65.2993, 76.2868, 97.6694



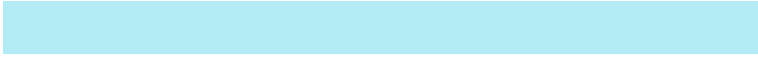
80.7111, 76.2868, 95.2065



72.0598, 76.2868, 60.1482

# Complementary

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



65.2993, 76.2868, 97.6694



64.0929, 59.1035, 51.2117

# 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.



76.6329, 76.2868, 62.4031



65.2993, 76.2868, 97.6694



81.7514, 76.2868, 81.7827

# Square

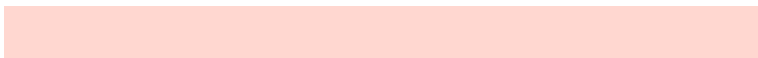
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.2993, 76.2868, 97.6694



77.4435, 76.2868, 106.3193



80.2293, 76.2868, 69.9913



67.7874, 76.2868, 63.4729

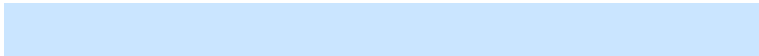


# Rectangle

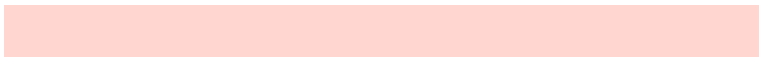
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.2993, 76.2868, 97.6694



71.4152, 76.2868, 110.9673



80.2293, 76.2868, 69.9913



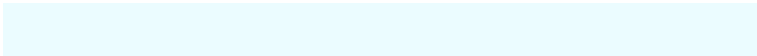
73.6125, 76.2868, 60.2795

# Sweetspot

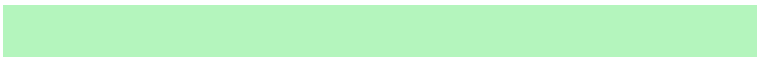
The Sweet Spot groups the original color and five complimentary colors.



65.3016, 76.2899, 97.6711



87.0448, 94.5457, 108.2691



60.6255, 78.6693, 59.9457



18.3279, 20.0274, 23.1496



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

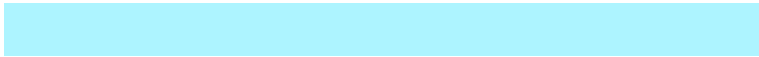


# Same Dimension

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



65.3016, 76.2899, 97.6711



67.6342, 80.6739, 106.6147



56.8587, 59.4041, 94.8568



16.7897, 18.3437, 21.1983



21.5162, 28.8262, 50.9680



1.9438, 2.6391, 4.4972



# Inverse Universe

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



69.1196, 58.1129, 86.9343



72.5448, 57.8145, 92.6891



71.7963, 74.5103, 53.7795



17.1092, 16.7265, 20.3215



26.6649, 13.0094, 34.5394

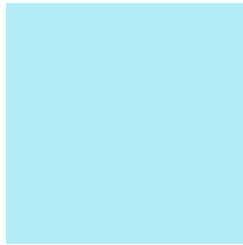


2.3702, 1.1541, 3.1759



# Previews

## White Background



This preview shows how the XYZ color 65.2993, 76.2868, 97.6694 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

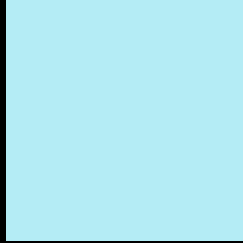
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.2993, 76.2868, 97.6694 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

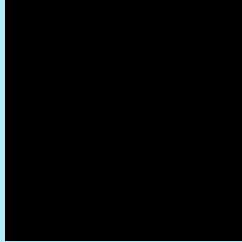
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.2993, 76.2868, 97.6694

## Background



This preview shows how black text looks on a background with the XYZ color 65.2993, 76.2868, 97.6694.



This preview shows how white text looks on a background with the XYZ color 65.2993, 76.2868,

97.6694.

# 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

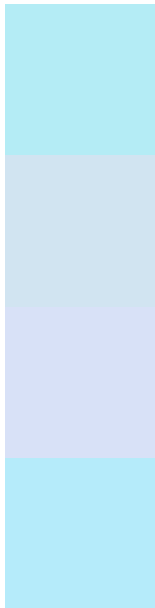




## Tritanopia

66.7294, 76.4536, 104.1685

# Trichromacy



## Original Color

65.2993, 76.2868, 97.6694

## Protanomaly

69.9151, 75.3930, 94.0865

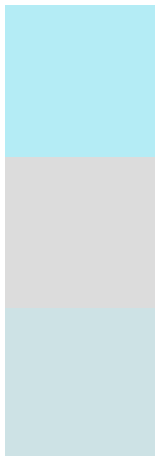
## Deuteranomaly

72.0326, 75.1648, 98.7074

## Tritanomaly

66.0197, 76.1425, 101.6599

# Monochromacy



## Original Color

65.2993, 76.2868, 97.6694

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

66.5161, 73.0290, 84.7190

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.2993, 76.2868, 97.6694 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(180, 236, 245)` looks like.

```
.text, #text, p{  
    color:rgb(180, 236, 245)  
}
```

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(180, 236, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 236, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 65.2993, 76.2868, 97.6694 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(180, 236, 245) }
```



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

```
.border{ border-color:rgb(180, 236, 245) }
```

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

Here you see how a box with a 4 pixel rgb(180, 236, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 236, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 236, 245);  
box-shadow:4px 4px 4px 4px rgb(180, 236,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.2993, 76.2868, 97.6694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 236, 245) }
```

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

```
.background{ background-color: rgb(180,  
236, 245) }
```

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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