

# Converting Colors

XYZ(57.6454, 66.2597, 93.2839)

Have a look what the booklet for  
XYZ(57.6454, 66.2597, 93.2839)  
contains.

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# Color

**XYZ(57.6700, 66.2793,  
92.9727)**

# Conversions

| Conversions Part 1 |                             |
|--------------------|-----------------------------|
| Format             | Color                       |
| Hex                | A7DDF1                      |
| RGB                | 167, 221, 241               |
| RGB Percent        | 65%, 87%, 95%               |
| CMY                | 0.3451, 0.1333, 0.0549      |
| CMYK               | 0.31, 0.08, 0.00, 0.05      |
| HSL                | 196°, 73%, 80%              |
| HSV                | 196°, 31%, 95%              |
| XYZ                | 57.6700, 66.2793, 92.9727   |
| YIQ                | 207.1340, -38.6040, -5.2280 |

# Conversions

## Conversions Part 2

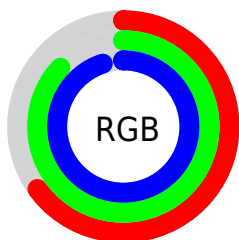
| Format                              | Color                                       |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">167, 198, 241</a>               |
| Decimal                             | <a href="#">11001329</a>                    |
| CIELab                              | <a href="#">85.14, -12.65, -15.36</a>       |
| CIELCh                              | <a href="#">85, 19.902, 230.534</a>         |
| Yxy                                 | <a href="#">66.2793, 0.2659, 0.3055</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4289191409</a><br>(0xFFA7DDF1)  |
| YUV                                 | <a href="#">207.1340, 16.6959, -35.1975</a> |
| Hunter-Lab                          | <a href="#">81.4121, -16.0269, -10.7208</a> |

# Details

The XYZ color **57.6700, 66.2793, 92.9727** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.0219, 57.0320, 44.3529**, and the grayscale version is **59.3098, 62.3985, 67.9520**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **29.2032, 34.2859, 50.9776** is the 20% darker color. If you saturate the color by 10%, you get **51.3595, 60.5242, 92.1956**, and if you desaturate by 10%, it is **65.0000, 72.6622, 93.8195**.

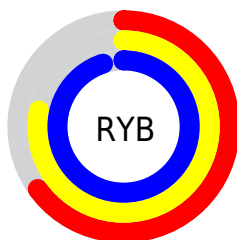
# Distribution



Red (65%)

Green (87%)

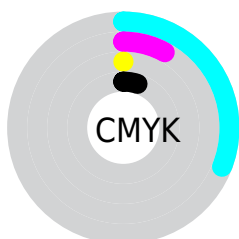
Blue (95%)



Red (65%)

Yellow (78%)

Blue (95%)

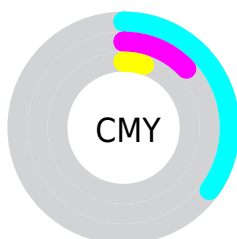


Cyan (31%)

Magenta (8%)

Yellow (0%)

Black (5%)



Cyan (35%)

Magenta (13%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6700, 66.2793, 92.9727 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 57.6700, 66.2793, 92.9727 by changing the saturation by 10% instead.





 57.6700, 66.2793,  
92.9727


 57.6700, 66.2793,  
92.9727


405.9289,  
447.3751, 558.4719

 41.7856, 48.4992,  
69.8613


 100.5679,  
113.8871, 153.4322

 29.1239, 34.2224,  
50.9373


 128.3121,  
144.4836, 191.6173

 19.3193, 23.0645,  
35.7824


160.7403,  
180.1209, 235.6641

 12.0066, 14.6411,  
23.9778

198.2179,  
221.1836, 285.9911

 6.8204, 8.5679,  
15.1051

241.1102,  
268.0560, 343.0169

 3.3954, 4.4604,  
8.7457


289.7825,


 1.3661, 1.9343,


321.1224, 407.1599


4.4812


344.6003,  
380.7673, 478.8387


 0.2319, 0.5689,  
1.8929


 0.0000, 0.0000,  
0.4882


 57.6700, 66.2793,  
92.9727


 57.6700, 66.2793,  
92.9727


 51.3595, 60.5242,  
92.1956


 65.0000, 72.6622,  
93.8195

 46.0088, 55.3603,  
91.4809

 73.3929, 79.6915,  
94.7340

 41.5613, 50.7588,  
90.8271

 82.8967, 87.3948,  
95.7199

 37.9515, 46.6847,  
90.2310

 90.3951, 94.1664,  
96.6318

■ 35.1043, 43.0983,  
89.6888

■ 92.4223, 98.2208,  
97.3075

■ 32.9303, 39.9523,  
89.1961

■ 92.8774, 99.1310,  
97.4592

■ 31.3779, 37.3520,  
88.7760

# Harmonies

## Analogous

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



55.2573, 66.2793, 81.1855



57.6700, 66.2793, 92.9727



61.5881, 66.2793, 99.3868

# Triad

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



57.6700, 66.2793, 92.9727



71.8958, 66.2793, 76.3076



60.0184, 66.2793, 51.4123

# Complementary

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



57.6700, 66.2793, 92.9727



61.0219, 57.0320, 44.3529

# 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.



64.4262, 66.2793, 50.4347



57.6700, 66.2793, 92.9727



71.4265, 66.2793, 63.8422

# Square

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



57.6700, 66.2793, 92.9727



69.8947, 66.2793, 89.0398



68.6412, 66.2793, 54.7226



56.5678, 66.2793, 57.5727



# Rectangle

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



57.6700, 66.2793, 92.9727



64.5870, 66.2793, 99.2879



68.6412, 66.2793, 54.7226



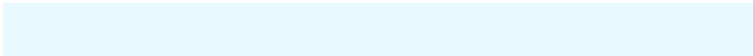
61.4323, 66.2793, 50.4977

# Sweetspot

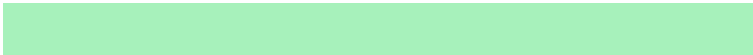
The Sweet Spot groups the original color and five complimentary colors.



57.6720, 66.2819, 92.9742



85.1582, 92.0107, 107.8793



56.3342, 74.7038, 58.3159



17.9061, 19.4304, 23.0566



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

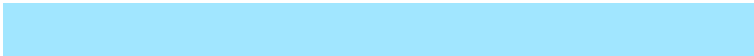


# Same Dimension

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



57.6720, 66.2819, 92.9742



60.8362, 71.0781, 105.1208



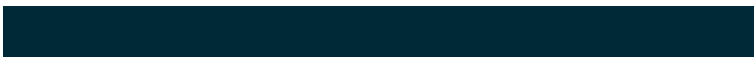
49.0110, 48.9599, 90.0872



15.8651, 17.1643, 20.1985



17.1327, 20.4897, 48.1798



1.5071, 1.8682, 4.0354



# Inverse Universe

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



63.1471, 51.5604, 75.0335



68.1370, 52.3129, 81.0036



69.8360, 74.6602, 47.2910



16.2613, 15.9542, 18.9324



23.9734, 11.8618, 23.5744

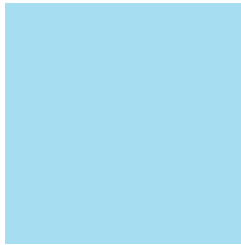


2.0357, 1.0033, 2.1787



# Previews

## White Background



This preview shows how the XYZ color 57.6700, 66.2793, 92.9727 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

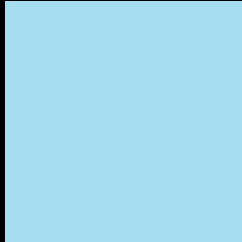
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.6700, 66.2793, 92.9727 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 57.6700, 66.2793, 92.9727**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.6700, 66.2793, 92.9727.



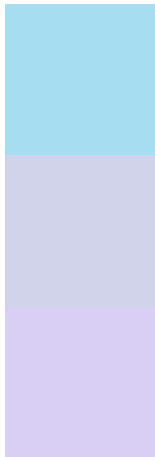
This preview shows how white text looks on a background with the XYZ color 57.6700, 66.2793,



# 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

57.6700, 66.2793, 92.9727

### Protanopia

64.4400, 66.0844, 87.2011

### Deuteranopia

67.2572, 65.9090, 94.7648



## Tritanopia

57.3728, 66.1604, 91.4077

# Trichromacy



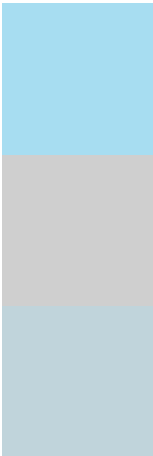
**Original Color**  
57.6700, 66.2793, 92.9727

**Protanomaly**  
61.8346, 66.1846, 89.6366

**Deuteranomaly**  
63.2743, 65.7001, 94.1405

**Tritanomaly**  
57.5210, 66.2197, 92.1881

# Monochromacy



**Original Color**  
57.6700, 66.2793, 92.9727

**Achromatopsia**  
59.3074, 62.3960, 67.9493

**Achromatomaly**  
58.0679, 63.4079, 76.1963

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.6700, 66.2793, 92.9727 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(167, 221, 241) looks like.

```
.text, #text, p{  
    color:rgb(167, 221, 241)  
}
```

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(167, 221, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 221, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 57.6700, 66.2793, 92.9727 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(167, 221, 241) }
```



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

```
.border{ border-color:rgb(167, 221, 241) }
```

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

Here you see how a box with a 4 pixel rgb(167, 221, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 221, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 221, 241);  
box-shadow:4px 4px 4px 4px rgb(167, 221,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.6700, 66.2793, 92.9727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 221, 241) }
```

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

```
.background{ background-color: rgb(167,  
221, 241) }
```

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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