

Converting Colors

XYZ(50.9591, 59.5654, 91.5251)

Have a look what the booklet for
XYZ(50.9591, 59.5654, 91.5251)
contains.

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Color

**XYZ(50.7733, 59.3075,
91.2095)**

Conversions

Conversions Part 1

Format	Color
Hex	90D4F0
RGB	144, 212, 240
RGB Percent	56%, 83%, 94%
CMY	0.4353, 0.1686, 0.0588
CMYK	0.40, 0.12, 0.00, 0.06
HSL	197°, 76%, 75%
HSV	197°, 40%, 94%
XYZ	50.7733, 59.3075, 91.2095
YIQ	194.8600, -49.5160, -5.7080

Conversions

Conversions Part 2

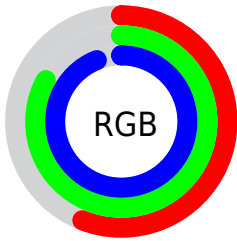
Format	Color
RYB	144, 184, 240
Decimal	9491696
CIELab	81.46, -14.39, -20.50
CIElCh	81, 25.046, 234.932
Yxy	59.3075, 0.2522, 0.2946
Android (android.graphics.Color)	4287681776 (0xFF90D4F0)
YUV	194.8600, 22.2540, -44.6042
Hunter-Lab	77.0114, -17.0855, -16.3130

Details

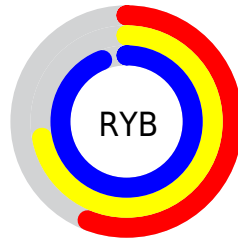
The XYZ color **50.7733, 59.3075, 91.2095** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.7230, 50.0452, 33.1102**, and the grayscale version is **51.6829, 54.3744, 59.2137**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **24.7332, 29.6493, 49.7667** is the 20% darker color. If you saturate the color by 10%, you get **45.3070, 53.9492, 90.4644**, and if you desaturate by 10%, it is **57.2102, 65.2814, 92.0244**.

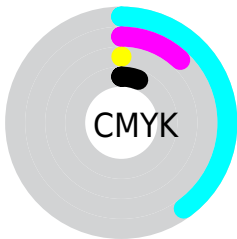
Distribution



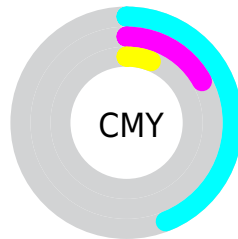
- Red (56%)
- Green (83%)
- Blue (94%)



- Red (56%)
- Yellow (72%)
- Blue (94%)



- Cyan (40%)
- Magenta (12%)
- Yellow (0%)
- Black (6%)



- Cyan (44%)
- Magenta (17%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7733, 59.3075, 91.2095 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 50.7733, 59.3075, 91.2095 by changing the saturation by 10% instead.

■ 50.7733, 59.3075,
91.2095

■ 50.7733, 59.3075,
91.2095

380.0846,
422.0405, 552.6288

■ 36.2485, 42.8607,
68.4049

■ 90.5046, 103.8245,
150.9675

■ 24.7972, 29.7758,
49.7585

■ 116.4418,
132.6634, 188.7579

■ 16.0540, 19.6685,
34.8517

146.9139,
166.4018, 232.3807

■ 9.6534, 12.1543,
23.2660

182.2861,
205.4242, 282.2544

■ 5.2303, 6.8489,
14.5829

222.9240,
250.1148, 338.7975

■ 2.4191, 3.3678,
8.3838

269.1928,

■ 0.8547, 1.3266,

300.8582, 402.4286

4.2502

321.4579,
358.0386, 473.5662

■ 0.0000, 0.1617,
1.7636

■ 0.0000, 0.0000,
0.4038

■ 50.7733, 59.3075,
91.2095

■ 50.7733, 59.3075,
91.2095

■ 45.3070, 53.9492,
90.4644

■ 57.2102, 65.2814,
92.0244

■ 40.7477, 49.1684,
89.7819

■ 64.6650, 71.8928,
92.9076

■ 37.0329, 44.9327,
89.1601

■ 73.1885, 79.1704,
93.8631

■ 34.0889, 41.2027,
88.5953

■ 82.8261, 87.1391,
94.8932

■ 31.8283, 37.9318,
88.0831

■ 90.2298, 94.0742,
95.8416

■ 30.1041, 35.0428,
87.6164

■ 92.4108, 98.4362,
96.5686

■ 30.1039, 35.0423,
87.6163

■ 92.7284, 99.0713,
96.6745

Harmonies

Analogous

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



47.7126, 59.3075, 77.5285



50.7733, 59.3075, 91.2095



55.4840, 59.3075, 97.8197

Triad

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



50.7733, 59.3075, 91.2095



67.0212, 59.3075, 67.1605



52.2258, 59.3075, 41.7711

Complementary

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



50.7733, 59.3075, 91.2095



55.7230, 50.0452, 33.1102

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.



57.2654, 59.3075, 39.8725



50.7733, 59.3075, 91.2095



66.0160, 59.3075, 53.1526

Square

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



50.7733, 59.3075, 91.2095



65.0313, 59.3075, 82.6274



62.3636, 59.3075, 43.7083



48.5140, 59.3075, 49.3656

Rectangle

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



50.7733, 59.3075, 91.2095



59.0080, 59.3075, 96.6870



62.3636, 59.3075, 43.7083



53.8118, 59.3075, 40.5008

Sweetspot

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



50.7752, 59.3098, 91.2109



81.8933, 89.0887, 107.4873



50.0330, 71.1987, 49.7357



17.2461, 18.8293, 22.9754



0.0000, 0.0000, 0.0000



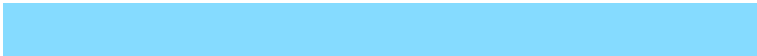
20.3446, 21.4041, 23.3091

Same Dimension

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



50.7752, 59.3098, 91.2109



53.0701, 62.9946, 103.9698



40.6506, 39.0607, 87.8360



15.8353, 17.1048, 20.1886



16.5994, 19.4231, 48.0020



1.4663, 1.7865, 4.0218

Inverse Universe

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



57.7937, 43.2271, 67.5873



62.3988, 43.0561, 72.2481



66.3543, 71.3078, 36.6540



16.2463, 15.9482, 18.8534



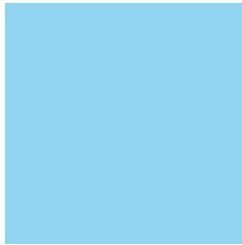
23.7043, 11.7541, 22.1570



2.0150, 0.9951, 2.0701

Previews

White Background



This preview shows how the XYZ color 50.7733, 59.3075, 91.2095 looks on a white background.

Color Contrast Check

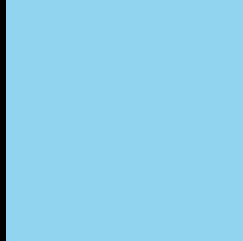
Large Text (above 18pt) WCAG AA × Fail

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 50.7733, 59.3075, 91.2095 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 50.7733, 59.3075, 91.2095

Background



This preview shows how black text looks on a background with the XYZ color 50.7733, 59.3075, 91.2095.



This preview shows how white text looks on a background with the XYZ color 50.7733, 59.3075,

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

50.7733, 59.3075, 91.2095

Protanopia

57.9847, 58.8705, 84.6510

Deuteranopia

60.2313, 58.8211, 92.9731



Tritanopia

49.6257, 59.6134, 84.4923

Trichromacy



Original Color

50.7733, 59.3075, 91.2095

Protanomaly

54.7197, 58.5310, 87.0108

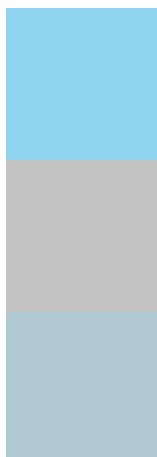
Deuteranomaly

55.9699, 58.3552, 92.3181

Tritanomaly

49.9732, 59.3687, 86.6673

Monochromacy



Original Color

50.7733, 59.3075, 91.2095

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.5490, 55.7065, 69.7162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7733, 59.3075, 91.2095 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(144, 212, 240)` looks like.

```
.text, #text, p{  
    color:rgb(144, 212, 240)  
}
```

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(144, 212, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 212, 240) }
```

Border

The CSS property to change the border of an element to XYZ 50.7733, 59.3075, 91.2095 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(144, 212, 240) }
```


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

```
.border{ border-color:rgb(144, 212, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 212, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 212, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 212, 240);  
box-shadow:4px 4px 4px 4px rgb(144, 212,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7733, 59.3075, 91.2095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 212, 240) }
```

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

```
.background{ background-color: rgb(144,  
212, 240) }
```

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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