

Converting Colors

XYZ(53.6480, 55.8537,
129.4068)

Have a look what the booklet for
XYZ(53.6480, 55.8537, 129.4068)
contains.

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Color

**XYZ(48.6095, 53.9798,
102.4649)**

Conversions

Conversions Part 1

Format	Color
Hex	85C9FF
RGB	133, 201, 255
RGB Percent	52%, 79%, 100%
CMY	0.4784, 0.2118, 0.0000
CMYK	0.48, 0.21, 0.00, 0.00
HSL	207°, 100%, 76%
HSV	207°, 48%, 100%
XYZ	48.6095, 53.9798, 102.4649
YIQ	186.8240, -57.8620, 2.3780

Conversions

Conversions Part 2

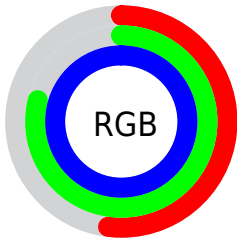
Format	Color
RYB	133, 177, 255
Decimal	8767999
CIELab	78.45, -7.26, -33.15
CIELCh	78, 33.932, 257.643
Yxy	53.9798, 0.2371, 0.2632
Android (android.graphics.Color)	4286958079 (0xFF85C9FF)
YUV	186.8240, 33.6108, -47.2036
Hunter-Lab	73.4709, -10.4758, -31.2580

Details

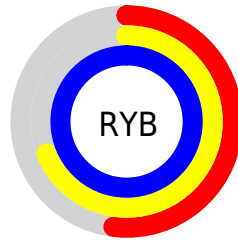
The XYZ color **48.6095, 53.9798, 102.4649** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.2449, 58.4953, 30.1497**, and the grayscale version is **46.9765, 49.4229, 53.8215**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **23.4508, 26.4005, 57.2859** is the 20% darker color. If you saturate the color by 10%, you get **42.5264, 47.0814, 101.4540**, and if you desaturate by 10%, it is **55.8662, 61.7725, 103.5866**.

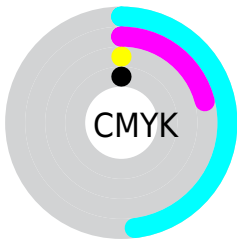
Distribution



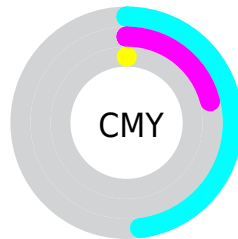
- Red (52%)
- Green (79%)
- Blue (100%)



- Red (52%)
- Yellow (69%)
- Blue (100%)



- Cyan (48%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6095, 53.9798, 102.4649 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 48.6095, 53.9798, 102.4649 by changing the saturation by 10% instead.

■ 48.6095, 53.9798,
102.4649

■ 48.6095, 53.9798,
102.4649

371.7455,
402.0330, 589.3808

■ 34.5231, 38.5855,
77.7323

■ 87.3154, 96.0446,
166.6217

■ 23.4605, 26.4374,
57.3390

■ 112.6656,
123.4839, 206.8831

■ 15.0565, 17.1512,
40.8663

■ 142.5011,
155.7069, 253.1579

■ 8.9456, 10.3423,
27.8957

177.1872,
193.0982, 305.8645

■ 4.7625, 5.6265,
18.0087

217.0894,
236.0420, 365.4216

■ 2.1419, 2.6193,
10.7867

262.5729,

■ 0.7119, 0.9364,

284.9229, 432.2476

5.8112

314.0032,
340.1250, 506.7612

■ 0.0000, 0.0000,
2.6637

■ 0.0000, 0.0000,
0.9251

■ 48.6095, 53.9798,
102.4649

■ 48.6095, 53.9798,
102.4649

■ 42.5264, 47.0814,
101.4540

■ 55.8662, 61.7725,
103.5866

■ 37.5362, 41.0261,
100.5482

■ 64.3605, 70.4950,
104.8225

■ 33.5542, 35.7652,
99.7426

■ 74.1570, 80.1876,
106.1770

■ 30.4796, 31.2400,
99.0312

■ 85.3142, 90.8860,
107.6540

■ 28.1786, 27.3749,
98.4065

95.0500, 100.0000,
108.9000

■ 27.7427, 26.6054,
98.2809

Harmonies

Analogous

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



43.1391, 53.9798, 90.3198



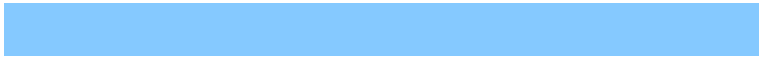
48.6095, 53.9798, 102.4649



55.2935, 53.9798, 101.1998

Triad

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



48.6095, 53.9798, 102.4649



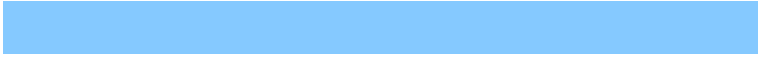
64.5282, 53.9798, 48.3277



42.3981, 53.9798, 37.3335

Complementary

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



48.6095, 53.9798, 102.4649



63.2449, 58.4953, 30.1497

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.



47.5153, 53.9798, 30.2546



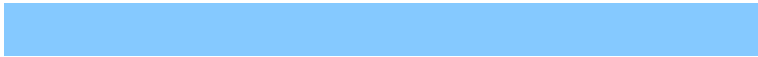
48.6095, 53.9798, 102.4649



60.4440, 53.9798, 35.5908

Square

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



48.6095, 53.9798, 102.4649



64.8857, 53.9798, 66.9931



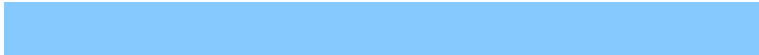
54.1008, 53.9798, 29.6948



39.7672, 53.9798, 51.2577

Rectangle

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



48.6095, 53.9798, 102.4649



59.5468, 53.9798, 92.9312



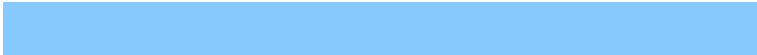
54.1008, 53.9798, 29.6948



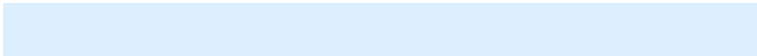
43.8632, 53.9798, 34.2186

Sweetspot

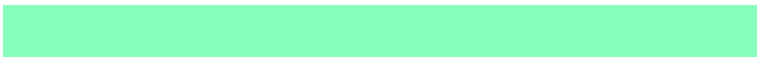
The Sweet Spot groups the original color and five complimentary colors.



48.6111, 53.9817, 102.4652



78.2784, 84.1760, 106.7296



54.2828, 80.0466, 58.9714



16.2539, 17.5336, 22.7776



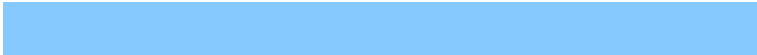
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



48.6111, 53.9817, 102.4652



42.9949, 47.6285, 101.5349



37.2691, 31.2976, 98.6845



17.8428, 19.0572, 22.9879



14.6475, 14.2046, 51.4043



1.5352, 1.6010, 5.0414

Inverse Universe

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



60.1713, 42.2538, 60.2447



56.1454, 36.0834, 53.1030



78.6941, 89.3938, 35.2994



18.4333, 18.1566, 20.8989



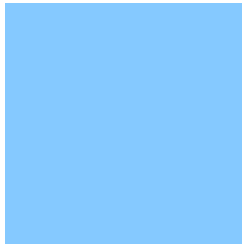
24.1816, 12.1619, 14.8726



2.4095, 1.2062, 1.7377

Previews

White Background



This preview shows how the XYZ color 48.6095, 53.9798, 102.4649 looks on a white background.

Color Contrast Check

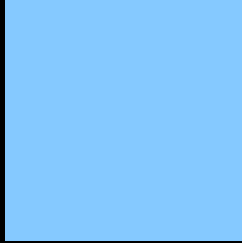
Large Text (above 18pt) WCAG AA × Fail

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 48.6095, 53.9798, 102.4649 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

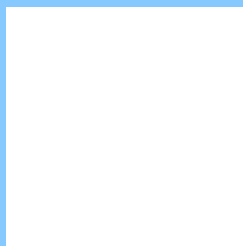
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6095, 53.9798, 102.4649

Background



This preview shows how black text looks on a background with the XYZ color 48.6095, 53.9798, 102.4649.



This preview shows how white text looks on a background with the XYZ color 48.6095, 53.9798,

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

48.6095, 53.9798, 102.4649

Protanopia

54.1645, 53.6226, 96.3024

Deuteranopia

54.5949, 53.3940, 102.0364



Tritanopia

43.8005, 54.1643, 77.9583

Trichromacy



Original Color

48.6095, 53.9798, 102.4649

Protanomaly

51.8280, 53.6766, 98.8958

Deuteranomaly

52.0397, 53.3806, 102.1684

Tritanomaly

45.5791, 54.1728, 86.6514

Monochromacy



Original Color

48.6095, 53.9798, 102.4649

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.6697, 50.6682, 69.6075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6095, 53.9798, 102.4649 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(133, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 201, 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(133, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 201, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.6095, 53.9798, 102.4649 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(133, 201, 255) }
```


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

```
.border{ border-color:rgb(133, 201, 255) }
```

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

Here you see how a box with a 4 pixel rgb(133, 201, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 201,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6095, 53.9798, 102.4649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 201, 255) }
```

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

```
.background{ background-color: rgb(133,  
201, 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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