

Converting Colors

XYZ(48.8579, 50.4365,
101.7679)

Have a look what the booklet for
XYZ(48.8579, 50.4365, 101.7679)
contains.

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Color

**XYZ(48.8579, 50.4365,
101.7679)**

Conversions

Conversions Part 1

Format	Color
Hex	95BEFF
RGB	149, 190, 255
RGB Percent	58%, 75%, 100%
CMY	0.4157, 0.2549, 0.0000
CMYK	0.42, 0.25, 0.00, 0.00
HSL	217°, 100%, 79%
HSV	217°, 42%, 100%
XYZ	48.8579, 50.4365, 101.7679
YIQ	185.1510, -45.3010, 11.5230

Conversions

Conversions Part 2

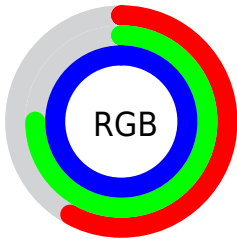
Format	Color
R_{YB}	149, 179, 255
Decimal	9813759
CIE _{Lab}	76.34, 2.53, -36.34
CIE _{LCh}	76, 36.432, 273.980
Yxy	50.4365, 0.2430, 0.2509
Android (android.graphics.Color)	4288003839 (0xFF95BEFF)
YUV	185.1510, 34.4356, -31.7044
Hunter-Lab	71.0187, -1.4820, -35.2480

Details

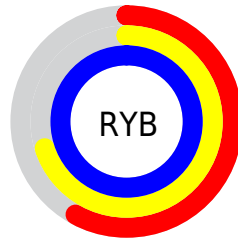
The XYZ color **48.8579, 50.4365, 101.7679** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.7121, 71.5239, 38.5143**, and the grayscale version is **46.0320, 48.4292, 52.7394**.

A 20% lighter version of the original color is **76.4594, 86.2533, 107.2265**, and **23.6529, 24.2957, 56.8690** is the 20% darker color. If you saturate the color by 10%, you get **41.4977, 41.8822, 100.5047**, and if you desaturate by 10%, it is **57.6029, 60.2462, 103.2004**.

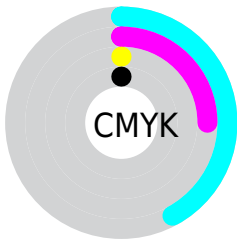
Distribution



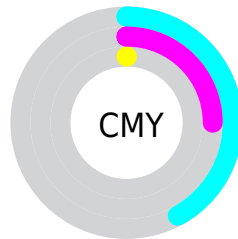
- Red (58%)
- Green (75%)
- Blue (100%)



- Red (58%)
- Yellow (70%)
- Blue (100%)



- Cyan (42%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8579, 50.4365, 101.7679 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 48.8579, 50.4365, 101.7679 by changing the saturation by 10% instead.

■ 48.8579, 50.4365,
101.7679

■ 48.8579, 50.4365,
101.7679

372.7089,
388.3705, 587.1410

■ 34.7208, 35.7604,
77.1527

■ 87.6824, 90.8213,
165.6576

■ 23.6134, 24.2492,
56.8659

■ 113.1005,
117.2987, 205.7692

■ 15.1703, 15.5186,
40.4890

143.0096,
148.4787, 251.8833

■ 9.0261, 9.1841,
27.6033

177.7752,
184.7456, 304.4185

■ 4.8154, 4.8615,
17.7904

217.7626,
226.4838, 363.7933

■ 2.1730, 2.1662,
10.6317

263.3371,

■ 0.7285, 0.7015,

274.0778, 430.4263

5.7087

314.8641,
327.9119, 504.7360

■ 0.0000, 0.0000,
2.6029

■ 0.0000, 0.0000,
0.8939

■ 48.8579, 50.4365,
101.7679

■ 48.8579, 50.4365,
101.7679

■ 41.4977, 41.8822,
100.5047

■ 57.6029, 60.2462,
103.2004

■ 35.4392, 34.5204,
99.4030

■ 67.8002, 71.3591,
104.8080

■ 30.5967, 28.2901,
98.4557

■ 79.5180, 83.8270,
106.5969

■ 26.8710, 23.1214,
97.6544

■ 92.8187, 97.6969,
108.5731

■ 24.1444, 18.9336, 95.0500, 100.0000,
96.9897 108.9000

■ 22.4771, 16.0743,
96.5257

Harmonies

Analogous

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



42.3921, 50.4365, 96.2427



48.8579, 50.4365, 101.7679



55.6789, 50.4365, 92.4889

Triad

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



48.8579, 50.4365, 101.7679



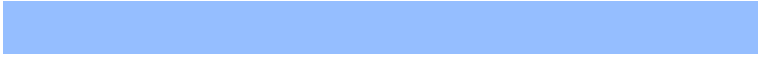
59.7045, 50.4365, 36.4251



37.0547, 50.4365, 39.9822

Complementary

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



48.8579, 50.4365, 101.7679



70.7121, 71.5239, 38.5143

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.



40.9507, 50.4365, 29.2103



48.8579, 50.4365, 101.7679



53.9485, 50.4365, 27.5259

Square

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



48.8579, 50.4365, 101.7679



62.3069, 50.4365, 52.3413



47.0305, 50.4365, 25.2384



35.9683, 50.4365, 57.5753

Rectangle

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



48.8579, 50.4365, 101.7679



59.3938, 50.4365, 80.2059



47.0305, 50.4365, 25.2384



38.0596, 50.4365, 35.5952

Sweetspot

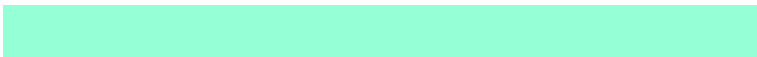
The Sweet Spot groups the original color and five complimentary colors.



48.8594, 50.4383, 101.7681



78.9780, 83.2582, 106.5156



60.1150, 82.6939, 75.4793



16.5599, 17.4569, 22.7467



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.



48.8594, 50.4383, 101.7681



42.5630, 43.1424, 100.6917



43.2164, 36.1492, 99.3075



17.5791, 18.5298, 22.9000



11.8786, 8.6668, 50.4814



1.2587, 1.0481, 4.9492

Inverse Universe

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



61.2828, 46.4742, 54.4575



56.8116, 39.7352, 46.1745



78.6325, 92.9949, 42.2412



18.3002, 18.1034, 20.1979



22.7840, 11.6029, 7.5128



2.2699, 1.1503, 1.0029

Previews

White Background



This preview shows how the XYZ color 48.8579, 50.4365, 101.7679 looks on a white background.

Color Contrast Check

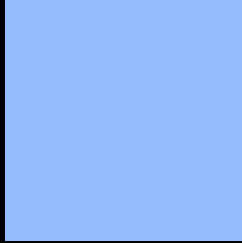
Large Text (above 18pt) WCAG AA × Fail

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 48.8579, 50.4365, 101.7679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

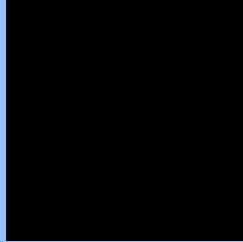
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

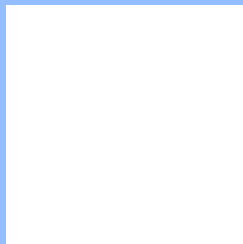
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8579, 50.4365, 101.7679

Background



This preview shows how black text looks on a background with the XYZ color 48.8579, 50.4365, 101.7679.



This preview shows how white text looks on a background with the XYZ color 48.8579, 50.4365,

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

48.8579, 50.4365, 101.7679

Protanopia

51.1237, 50.0980, 98.2422

Deuteranopia

51.3353, 50.1334, 101.5788



Tritanopia

42.8129, 50.6465, 71.1376

Trichromacy



Original Color

48.8579, 50.4365, 101.7679

Protanomaly

50.2413, 50.2503, 99.1467

Deuteranomaly

50.3175, 50.2342, 101.6519

Tritanomaly

44.8133, 50.4381, 81.5024

Monochromacy



Original Color

48.8579, 50.4365, 101.7679

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.4164, 48.9644, 67.9774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8579, 50.4365, 101.7679 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(149, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 190, 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(149, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 190, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.8579, 50.4365, 101.7679 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(149, 190, 255) }
```


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

```
.border{ border-color:rgb(149, 190, 255) }
```

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

Here you see how a box with a 4 pixel rgb(149, 190, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 190,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8579, 50.4365, 101.7679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 190, 255) }
```

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

```
.background{ background-color: rgb(149,  
190, 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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