

Converting Colors

XYZ(49.9104, 58.3524, 97.4395)

Have a look what the booklet for
XYZ(49.9104, 58.3524, 97.4395)
contains.

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Color

**XYZ(49.9104, 58.3524,
97.4395)**

Conversions

Conversions Part 1

Format	Color
Hex	85D3F8
RGB	133, 211, 248
RGB Percent	52%, 83%, 97%
CMY	0.4784, 0.1725, 0.0274
CMYK	0.46, 0.15, 0.00, 0.03
HSL	199°, 89%, 75%
HSV	199°, 46%, 97%
XYZ	49.9104, 58.3524, 97.4395
YIQ	191.8960, -58.3650, -5.0290

Conversions

Conversions Part 2

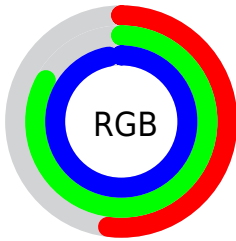
Format	Color
R _Y B	133, 179, 248
Decimal	8770552
CIE Lab	80.93, -14.43, -25.60
CIE LCh	81, 29.393, 240.588
Yxy	58.3524, 0.2426, 0.2837
Android (android.graphics.Color)	4286960632 (0xFF85D3F8)
YUV	191.8960, 27.6593, -51.6518
Hunter-Lab	76.3887, -17.0531, -22.1567

Details

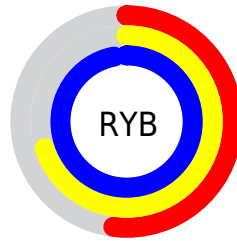
The XYZ color **49.9104, 58.3524, 97.4395** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.3211, 50.4008, 28.8993**, and the grayscale version is **49.9121, 52.5114, 57.1849**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **24.2269, 29.0386, 54.1973** is the 20% darker color. If you saturate the color by 10%, you get **44.5145, 52.7019, 96.6343**, and if you desaturate by 10%, it is **56.3327, 64.6806, 98.3235**.

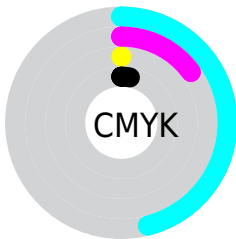
Distribution



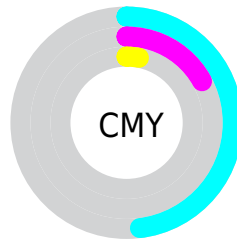
- Red (52%)
- Green (83%)
- Blue (97%)



- Red (52%)
- Yellow (70%)
- Blue (97%)



- Cyan (46%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)



- Cyan (48%)
- Magenta (17%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9104, 58.3524, 97.4395 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 49.9104, 58.3524, 97.4395 by changing the saturation by 10% instead.

■ 49.9104, 58.3524,
97.4395

■ 49.9104, 58.3524,
97.4395

376.7732,
418.4978, 573.1283

■ 35.5597, 42.0920,
73.5590

■ 89.2347, 102.4359,
159.6550

■ 24.2629, 29.1734,
53.9385

■ 114.9391,
131.0277, 198.8271

■ 15.6545, 19.2120,
38.1597

■ 145.1587,
164.4989, 243.9335

■ 9.3693, 11.8236,
25.8039

180.2589,
203.2337, 295.3927

■ 5.0419, 6.6237,
16.4525

220.6052,
247.6166, 353.6232

■ 2.3069, 3.2279,
9.6871

266.5627,

■ 0.7982, 1.2518,

298.0320, 419.0436

5.0891

318.4969,
354.8643, 492.0725

■ 0.0000, 0.1034,
2.2400

■ 0.0000, 0.0000,
0.6973

■ 49.9104, 58.3524,
97.4395

■ 49.9104, 58.3524,
97.4395

■ 44.5145, 52.7019,
96.6343

■ 56.3327, 64.6806,
98.3235

■ 40.0719, 47.6855,
95.9002

■ 63.8367, 71.7134,
99.2855

■ 36.5082, 43.2641,
95.2346

■ 72.4803, 79.4838,
100.3298

■ 33.7344, 39.3895,
94.6329

■ 82.3154, 88.0205,
101.4591

■ 31.6396, 36.0024,
94.0895

■ 92.6489, 96.9682,
102.6416

■ 30.9852, 34.8609,
93.9037

■ 93.9435, 99.5574,
103.0731

Harmonies

Analogous

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



45.9839, 58.3524, 82.1661



49.9104, 58.3524, 97.4395



55.5825, 58.3524, 103.2966

Triad

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



49.9104, 58.3524, 97.4395



68.0092, 58.3524, 63.1923



49.7167, 58.3524, 38.8269

Complementary

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



49.9104, 58.3524, 97.4395



57.3211, 50.4008, 28.8993

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.



55.3421, 58.3524, 35.5649



49.9104, 58.3524, 97.4395



66.1609, 58.3524, 47.9587

Square

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



49.9104, 58.3524, 97.4395



66.2961, 58.3524, 81.4607



61.4112, 58.3524, 38.5796



45.8780, 58.3524, 48.4546

Rectangle

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



49.9104, 58.3524, 97.4395



59.6809, 58.3524, 100.3669



61.4112, 58.3524, 38.5796



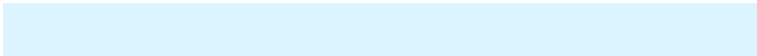
51.4472, 58.3524, 37.0377

Sweetspot

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



49.9123, 58.3546, 97.4409



79.5585, 86.7360, 107.1563



50.4424, 75.0029, 49.5619



16.5665, 18.1588, 22.8818



0.0000, 0.0000, 0.0000



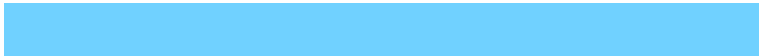
20.3446, 21.4041, 23.3091

Same Dimension

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



49.9123, 58.3546, 97.4409



47.5720, 56.3067, 102.9687



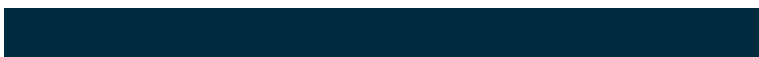
38.1872, 34.9045, 93.5325



17.2675, 18.6118, 22.0676



16.8706, 19.0967, 50.7704



1.6584, 1.9605, 4.7342

Inverse Universe

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



58.8584, 41.4365, 66.5262



58.5719, 37.4988, 64.5094



70.3927, 76.5440, 33.2565



17.7415, 17.4240, 20.4947



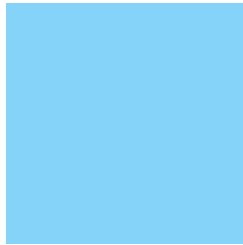
24.8075, 12.3387, 21.4925



2.3460, 1.1621, 2.2455

Previews

White Background



This preview shows how the XYZ color 49.9104, 58.3524, 97.4395 looks on a white background.

Color Contrast Check

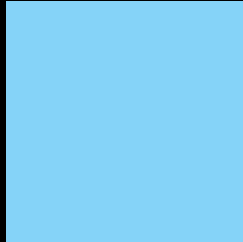
Large Text (above 18pt) WCAG AA × Fail

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 49.9104, 58.3524, 97.4395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

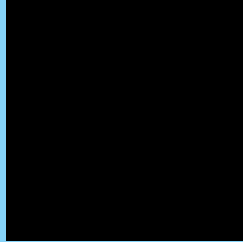
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9104, 58.3524, 97.4395

Background



This preview shows how black text looks on a background with the XYZ color 49.9104, 58.3524, 97.4395.

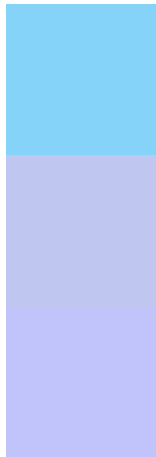


This preview shows how white text looks on a background with the XYZ color 49.9104, 58.3524,

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

49.9104, 58.3524, 97.4395

Protanopia

57.2599, 57.6965, 89.7800

Deuteranopia

59.1448, 57.7823, 99.3026



Tritanopia

47.3725, 58.4519, 84.3868

Trichromacy



Original Color

49.9104, 58.3524, 97.4395

Protanomaly

53.9605, 57.6687, 92.2916

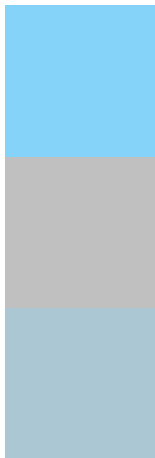
Deuteranomaly

54.9365, 57.3333, 98.6135

Tritanomaly

48.2862, 58.4488, 88.8575

Monochromacy



Original Color

49.9104, 58.3524, 97.4395

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.1017, 54.2582, 70.1723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9104, 58.3524, 97.4395 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, 211, 248)` looks like.

```
.text, #text, p{  
    color:rgb(133, 211, 248)  
}
```

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, 211, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 211, 248) }
```

Border

The CSS property to change the border of an element to XYZ 49.9104, 58.3524, 97.4395 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, 211, 248) }
```


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

```
.border{ border-color:rgb(133, 211, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 211, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 211, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 211, 248);  
box-shadow:4px 4px 4px 4px rgb(133, 211,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9104, 58.3524, 97.4395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 211, 248) }
```

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

```
.background{ background-color: rgb(133,  
211, 248) }
```

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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