

Converting Colors

XYZ(49.6910, 58.1444, 98.9643)

Have a look what the booklet for
XYZ(49.6910, 58.1444, 98.9643)
contains.

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Color

**XYZ(49.7555, 58.2365,
99.0609)**

Conversions

Conversions Part 1

Format	Color
Hex	82D3FA
RGB	130, 211, 250
RGB Percent	51%, 83%, 98%
CMY	0.4902, 0.1725, 0.0196
CMYK	0.48, 0.16, 0.00, 0.02
HSL	199°, 92%, 75%
HSV	199°, 48%, 98%
XYZ	49.7555, 58.2365, 99.0609
YIQ	191.2270, -60.7950, -5.0430

Conversions

Conversions Part 2

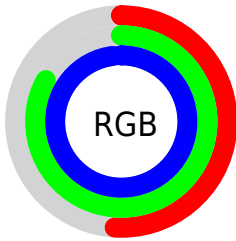
Format	Color
RYB	130, 178, 250
Decimal	8573946
CIELab	80.87, -14.58, -26.78
CIELCh	81, 30.488, 241.441
Yxy	58.2365, 0.2403, 0.2813
Android (android.graphics.Color)	4286764026 (0xFF82D3FA)
YUV	191.2270, 28.9751, -53.6961
Hunter-Lab	76.3128, -17.1666, -23.5447

Details

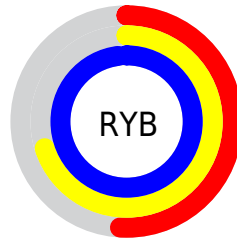
The XYZ color **49.7555, 58.2365, 99.0609** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.6430, 50.3132, 27.7943**, and the grayscale version is **49.5170, 52.0958, 56.7323**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **24.0399, 28.9293, 54.7689** is the 20% darker color. If you saturate the color by 10%, you get **44.4091, 52.5603, 98.2481**, and if you desaturate by 10%, it is **56.1391, 64.6013, 99.9540**.

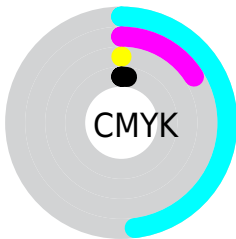
Distribution



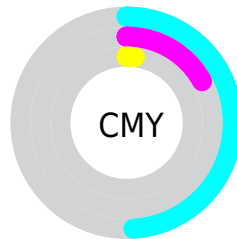
- Red (51%)
- Green (83%)
- Blue (98%)



- Red (51%)
- Yellow (70%)
- Blue (98%)



- Cyan (48%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)



- Cyan (49%)
- Magenta (17%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7555, 58.2365, 99.0609 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 49.7555, 58.2365, 99.0609 by changing the saturation by 10% instead.

■ 49.7555, 58.2365,
99.0609

■ 49.7555, 58.2365,
99.0609

376.1768,
418.0666, 578.3986

■ 35.4362, 41.9988,
74.9040

■ 89.0065, 102.2672,
161.9067

■ 24.1671, 29.1004,
55.0330

■ 114.6689,
130.8290, 201.4326

■ 15.5831, 19.1568,
39.0293

■ 144.8430,
164.2675, 246.9185

■ 9.3186, 11.7836,
26.4745

179.8942,
202.9674, 298.7832

■ 5.0083, 6.5965,
16.9500

220.1878,
247.3128, 357.4449

■ 2.2870, 3.2111,
10.0373

266.0892,

■ 0.7880, 1.2429,

297.6882, 423.3224

5.3178

317.9638,
354.4780, 496.8341

■ 0.0000, 0.0963,
2.3729

■ 0.0000, 0.0000,
0.7716

■ 49.7555, 58.2365,
99.0609

■ 49.7555, 58.2365,
99.0609

■ 44.4091, 52.5603,
98.2481

■ 56.1391, 64.6013,
99.9540

■ 40.0242, 47.5278,
97.5079

■ 63.6176, 71.6830,
100.9268

■ 36.5230, 43.0979,
96.8374

■ 72.2506, 79.5155,
101.9836

■ 33.8119, 39.2200,
96.2317

■ 82.0918, 88.1288,
103.1274

■ 31.7641, 35.8263,
95.6846

■ 93.1892, 97.5495,
104.3609

■ 31.3975, 35.1862,
95.5804

■ 94.2555, 99.6822,
104.7164

Harmonies

Analogous

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



45.6383, 58.2365, 83.3023



49.7555, 58.2365, 99.0609



55.6575, 58.2365, 104.8438

Triad

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



49.7555, 58.2365, 99.0609



68.3795, 58.2365, 62.5405



49.2653, 58.2365, 38.1576

Complementary

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



49.7555, 58.2365, 99.0609



57.6430, 50.3132, 27.7943

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.



55.0477, 58.2365, 34.6451



49.7555, 58.2365, 99.0609



66.3546, 58.2365, 46.9664

Square

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



49.7555, 58.2365, 99.0609



66.6993, 58.2365, 81.5013



61.3533, 58.2365, 37.5386



45.3708, 58.2365, 48.2154

Rectangle

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



49.7555, 58.2365, 99.0609



59.9036, 58.2365, 101.5344



61.3533, 58.2365, 37.5386



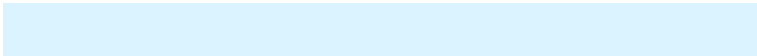
51.0371, 58.2365, 36.2686

Sweetspot

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



49.7574, 58.2387, 99.0623



79.5235, 86.6662, 107.1446



50.4610, 75.9456, 49.0472



16.5579, 18.1417, 22.8789



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.



49.7574, 58.2387, 99.0623



46.4221, 54.9454, 102.7666



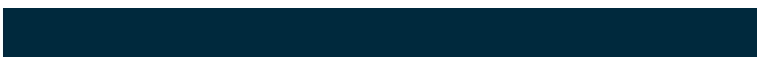
37.6912, 34.1064, 95.0402



17.2625, 18.6019, 22.0660



16.7905, 18.9366, 50.7437



1.6514, 1.9465, 4.7319

Inverse Universe

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



59.1665, 40.9942, 66.4245



57.7625, 36.2980, 62.9507



71.1984, 77.4240, 32.3127



17.7391, 17.4230, 20.4816



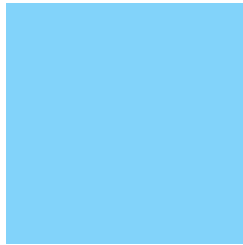
24.7671, 12.3226, 21.2797



2.3425, 1.1607, 2.2269

Previews

White Background



This preview shows how the XYZ color 49.7555, 58.2365, 99.0609 looks on a white background.

Color Contrast Check

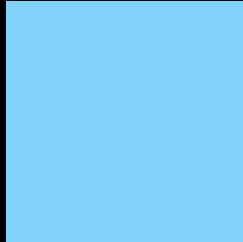
Large Text (above 18pt) WCAG AA × Fail

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 49.7555, 58.2365, 99.0609 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

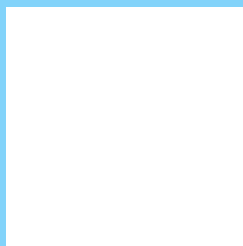
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7555, 58.2365, 99.0609

Background



This preview shows how black text looks on a background with the XYZ color 49.7555, 58.2365, 99.0609.



This preview shows how white text looks on a background with the XYZ color 49.7555, 58.2365,

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

49.7555, 58.2365, 99.0609

Protanopia

57.3065, 57.6862, 91.3333

Deuteranopia

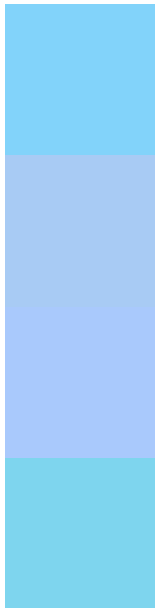
58.9554, 57.6481, 100.9484



Tritanopia

46.7826, 58.1477, 84.3592

Trichromacy



Original Color

49.7555, 58.2365, 99.0609

Protanomaly

53.8335, 57.5684, 93.8624

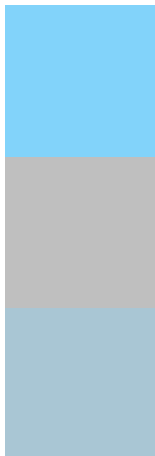
Deuteranomaly

54.8195, 57.2366, 100.2539

Tritanomaly

47.8311, 58.1972, 89.6011

Monochromacy



Original Color

49.7555, 58.2365, 99.0609

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.4399, 53.5766, 70.0756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7555, 58.2365, 99.0609 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(130, 211, 250)` looks like.

```
.text, #text, p{  
    color:rgb(130, 211, 250)  
}
```

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(130, 211, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 211, 250) }
```

Border

The CSS property to change the border of an element to XYZ 49.7555, 58.2365, 99.0609 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(130, 211, 250) }
```


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

```
.border{ border-color:rgb(130, 211, 250) }
```

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

Here you see how a box with a 4 pixel rgb(130, 211, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 211, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 211, 250);  
box-shadow:4px 4px 4px 4px rgb(130, 211,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7555, 58.2365, 99.0609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 211, 250) }
```

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

```
.background{ background-color: rgb(130,  
211, 250) }
```

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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