

Converting Colors

XYZ(49.9343, 77.8715, 55.7562)

Have a look what the booklet for
XYZ(49.9343, 77.8715, 55.7562)
contains.

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Color

**XYZ(49.9421, 77.8795,
55.5800)**

Conversions

Conversions Part 1

Format	Color
Hex	6AFFB4
RGB	106, 255, 180
RGB Percent	42%, 100%, 71%
CMY	0.5843, 0.0000, 0.2941
CMYK	0.58, 0.00, 0.29, 0.00
HSL	150°, 100%, 71%
HSV	150°, 58%, 100%
XYZ	49.9421, 77.8795, 55.5800
YIQ	201.8990, -64.7290, -54.9130

Conversions

Conversions Part 2

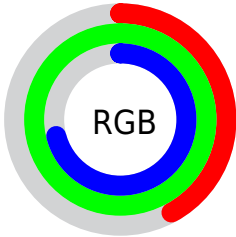
Format	Color
RYB	106, 206, 255
Decimal	7012276
CIELab	90.72, -56.55, 24.17
CIELCh	91, 61.498, 156.858
Yxy	77.8795, 0.2723, 0.4246
Android (android.graphics.Color)	4285202356 (0xFF6AFFB4)
YUV	201.8990, -10.7962, -84.1034
Hunter-Lab	88.2494, -53.4196, 24.4333

Details

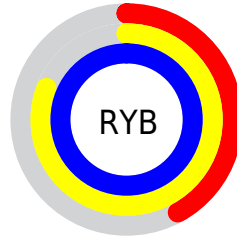
The XYZ color **49.9421, 77.8795, 55.5800** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **54.7350, 34.9050, 47.5691**, and the grayscale version is **56.1703, 59.0955, 64.3550**.

A 20% lighter version of the original color is **67.0488, 85.9010, 92.4036**, and **24.2490, 41.6978, 26.8491** is the 20% darker color. If you saturate the color by 10%, you get **46.1014, 76.0437, 48.8882**, and if you desaturate by 10%, it is **54.8058, 80.2286, 62.9544**.

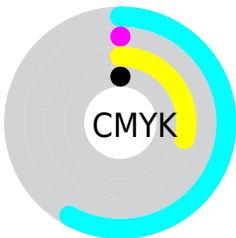
Distribution



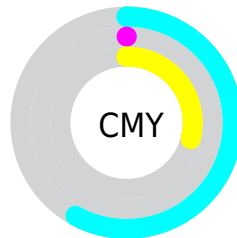
- Red (42%)
- Green (100%)
- Blue (71%)



- Red (42%)
- Yellow (81%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9421, 77.8795, 55.5800 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 49.9421, 77.8795, 55.5800 by changing the saturation by 10% instead.


 49.9421, 77.8795,
55.5800


 49.9421, 77.8795,
55.5800


376.8952,
487.7575, 425.4505


 35.5850, 57.9750,
39.4645


 89.2814, 130.3802,
99.8699

 24.2825, 41.7885,
26.8107


 114.9944,
163.7453, 128.8814

 15.6692, 28.9358,
17.1999


 145.2233,
202.3659, 163.0287

 9.3797, 19.0322,
10.2137

180.3335,
246.6266, 202.7303

 5.0488, 11.6936,
5.4334

220.6905,
296.9117, 248.4047

 2.3110, 6.5354,
2.4406

266.6596,

 0.8003, 3.1733,

353.6056, 300.4705

0.8084

318.6060,
417.0928, 359.3463

■ 0.0000, 1.2229,
0.0000

■ 0.0000, 0.0802,
0.0000

■ 49.9421, 77.8795,
55.5800

■ 49.9421, 77.8795,
55.5800

■ 46.1014, 76.0437,
48.8882

■ 54.8058, 80.2286,
62.9544

■ 43.1961, 74.6765,
42.8541

■ 60.7662, 83.1288,
71.0274

■ 41.1258, 73.7265,
37.4563

■ 67.8921, 86.6151,
79.8193

■ 39.7500, 73.1218,
32.6696

■ 76.2458, 90.7194,
89.3484

■ 39.5677, 73.0431,
31.9710

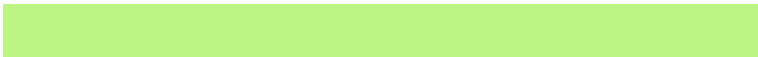
■ 85.8853, 95.4711,
99.6321

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



57.6046, 77.8795, 33.3397



49.9421, 77.8795, 55.5800



48.2865, 77.8795, 95.3605

Triad

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



49.9421, 77.8795, 55.5800



77.6240, 77.8795, 200.3190



100.4068, 77.8795, 43.3394

Complementary

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



49.9421, 77.8795, 55.5800



54.7350, 34.9050, 47.5691

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.



107.5820, 77.8795, 75.0449



49.9421, 77.8795, 55.5800



93.2956, 77.8795, 172.6383

Square

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



49.9421, 77.8795, 55.5800



62.9571, 77.8795, 189.4654



104.8136, 77.8795, 122.7930



86.3132, 77.8795, 28.1825

Rectangle

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



49.9421, 77.8795, 55.5800



50.5706, 77.8795, 129.3004



104.8136, 77.8795, 122.7930



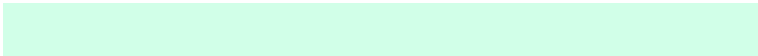
103.7910, 77.8795, 51.8942

Sweetspot

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



49.9427, 77.8798, 55.5813



76.6335, 90.9102, 89.7750



57.8866, 82.6261, 26.5341



15.8511, 19.1871, 18.6035



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.



49.9427, 77.8798, 55.5813



45.5857, 75.7992, 47.8979



59.3570, 81.6455, 105.1561



18.1477, 20.3186, 21.0810



20.7502, 38.1967, 17.1017



2.0755, 3.7411, 1.9552

Inverse Universe

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



54.7350, 34.9050, 47.5691



50.7740, 29.2640, 39.2165



49.1271, 32.6619, 18.0386



18.3908, 18.1396, 20.6751



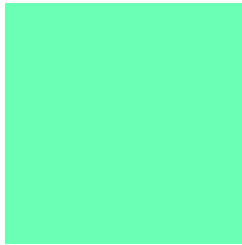
23.6724, 11.9582, 12.1911



2.3600, 1.1864, 1.4774

Previews

White Background



This preview shows how the XYZ color 49.9421, 77.8795, 55.5800 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 49.9421, 77.8795, 55.5800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

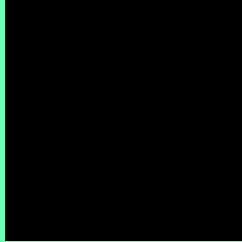
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9421, 77.8795, 55.5800

Background



This preview shows how black text looks on a background with the XYZ color 49.9421, 77.8795, 55.5800.

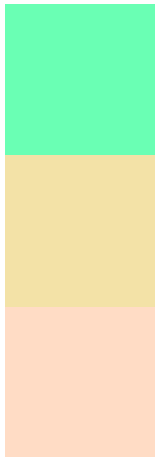


This preview shows how white text looks on a background with the XYZ color 49.9421, 77.8795,

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

49.9421, 77.8795, 55.5800

Protanopia

71.1336, 76.2374, 47.5254

Deuteranopia

76.9112, 76.4776, 63.5313



Tritanopia

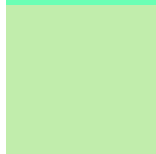
64.3143, 77.3267, 106.1436

Trichromacy



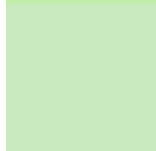
Original Color

49.9421, 77.8795, 55.5800



Protanomaly

59.7229, 74.8844, 50.3361



Deuteranomaly

62.6303, 74.4569, 60.3609



Tritanomaly

57.8113, 76.6570, 85.1481

Monochromacy



Original Color

49.9421, 77.8795, 55.5800



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.5304, 63.8234, 60.6422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9421, 77.8795, 55.5800 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(106, 255, 180)` looks like.

```
.text, #text, p{  
    color:rgb(106, 255, 180)  
}
```

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(106, 255, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 180) }
```

Border

The CSS property to change the border of an element to XYZ 49.9421, 77.8795, 55.5800 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(106, 255, 180) }
```


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

```
.border{ border-color:rgb(106, 255, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 255, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 255, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 255, 180); box-shadow:4px 4px 4px 4px rgb(106, 255, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9421, 77.8795, 55.5800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 255, 180) }
```

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

```
.background{ background-color: rgb(106,  
255, 180) }
```

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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