

Converting Colors

XYZ(57.6781, 93.5844, 57.5959)

Have a look what the booklet for
XYZ(57.6781, 93.5844, 57.5959)
contains.

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Color

**XYZ(49.8405, 77.8388,
55.0454)**

Conversions

Conversions Part 1

Format	Color
Hex	6AFFB3
RGB	106, 255, 179
RGB Percent	42%, 100%, 70%
CMY	0.5843, 0.0000, 0.2980
CMYK	0.58, 0.00, 0.30, 0.00
HSL	149°, 100%, 71%
HSV	149°, 58%, 100%
XYZ	49.8405, 77.8388, 55.0454
YIQ	201.7850, -64.4080, -55.2240

Conversions

Conversions Part 2

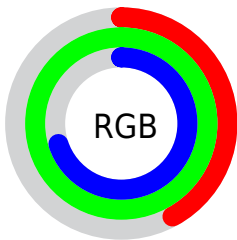
Format	Color
RYB	106, 206, 255
Decimal	7012275
CIELab	90.71, -56.74, 24.65
CIELCh	91, 61.867, 156.518
Yxy	77.8388, 0.2728, 0.4260
Android (android.graphics.Color)	4285202355 (0xFF6AFFB3)
YUV	201.7850, -11.2330, -84.0034
Hunter-Lab	88.2263, -53.5584, 24.7667

Details

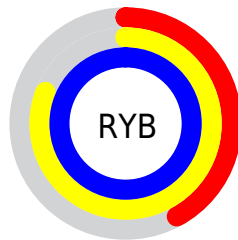
The XYZ color **49.8405, 77.8388, 55.0454** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **54.8379, 34.9461, 48.1112**, and the grayscale version is **56.1016, 59.0233, 64.2763**.

A 20% lighter version of the original color is **66.9038, 85.8430, 91.6404**, and **24.1841, 41.6719, 26.5075** is the 20% darker color. If you saturate the color by 10%, you get **45.9935, 76.0005, 48.3199**, and if you desaturate by 10%, it is **54.7136, 80.1917, 62.4693**.

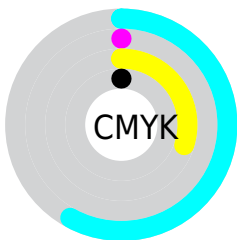
Distribution



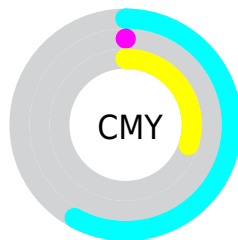
- Red (42%)
- Green (100%)
- Blue (70%)



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



- Cyan (58%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8405, 77.8388, 55.0454 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 49.8405, 77.8388, 55.0454 by changing the saturation by 10% instead.


 49.8405, 77.8388,
55.0454


 49.8405, 77.8388,
55.0454


376.5042,
487.6192, 423.3708


 35.5040, 57.9416,
39.0392


 89.1317, 130.3229,
99.0793

 24.2197, 41.7617,
26.4822


 114.8172,
163.6785, 127.9441

 15.6223, 28.9147,
16.9557


 145.0162,
202.2890, 161.9322

 9.3464, 19.0163,
10.0413

180.0944,
246.5388, 201.4621

 5.0267, 11.6821,
5.3204

220.4169,
296.8124, 246.9524

 2.2979, 6.5276,
2.3744

266.3491,

 0.7936, 3.1685,

353.4940, 298.8215

0.7725

318.2564,
416.9682, 357.4882

■ 0.0000, 1.2203,
0.0000

■ 0.0000, 0.0782,
0.0000

■ 49.8405, 77.8388,
55.0454

■ 49.8405, 77.8388,
55.0454

■ 45.9935, 76.0005,
48.3199

■ 54.7136, 80.1917,
62.4693

■ 43.0846, 74.6319,
42.2670

■ 60.6865, 83.0969,
70.6083

■ 41.0134, 73.6815,
36.8647

■ 67.8282, 86.5895,
79.4834

■ 39.6393, 73.0775,
32.0868

■ 76.2011, 90.7015,
89.1134

■ 39.4575, 72.9990,
31.3908

■ 85.8632, 95.4622,
99.5165

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.



57.6018, 77.8388, 32.9360



49.8405, 77.8388, 55.0454



48.1093, 77.8388, 94.8341

Triad

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



49.8405, 77.8388, 55.0454



77.4244, 77.8388, 201.2441



100.6638, 77.8388, 43.3759

Complementary

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



49.8405, 77.8388, 55.0454



54.8379, 34.9461, 48.1112

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.



107.7856, 77.8388, 75.4133



49.8405, 77.8388, 55.0454



93.2091, 77.8388, 173.7114

Square

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



49.8405, 77.8388, 55.0454



62.7138, 77.8388, 189.8474



104.8827, 77.8388, 123.5910



86.5283, 77.8388, 28.0331

Rectangle

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



49.8405, 77.8388, 55.0454



50.3560, 77.8388, 128.9461



104.8827, 77.8388, 123.5910



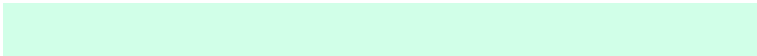
104.0414, 77.8388, 52.0234

Sweetspot

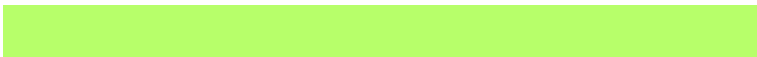
The Sweet Spot groups the original color and five complimentary colors.



49.8411, 77.8391, 55.0467



76.5899, 90.8927, 89.5450



57.8865, 82.6261, 26.5340



15.8405, 19.1829, 18.5475



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.



49.8411, 77.8391, 55.0467



45.4771, 75.7557, 47.3257



59.3569, 81.6454, 105.1561



18.1425, 20.3165, 21.0534



20.6924, 38.1735, 16.7971



2.0697, 3.7388, 1.9251

Inverse Universe

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



54.8379, 34.9461, 48.1112



50.8846, 29.3083, 39.7994



49.1271, 32.6618, 18.0385



18.3961, 18.1417, 20.7028



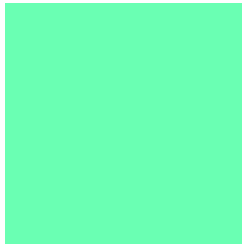
23.7322, 11.9822, 12.5059



2.3659, 1.1887, 1.5083

Previews

White Background



This preview shows how the XYZ color 49.8405, 77.8388, 55.0454 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 49.8405, 77.8388, 55.0454 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 49.8405, 77.8388, 55.0454

Background



This preview shows how black text looks on a background with the XYZ color 49.8405, 77.8388, 55.0454.



This preview shows how white text looks on a background with the XYZ color 49.8405, 77.8388,

55.0454.

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

49.8405, 77.8388, 55.0454

Protanopia

71.0414, 76.2006, 47.0403

Deuteranopia

76.9112, 76.4776, 63.5313



Tritanopia

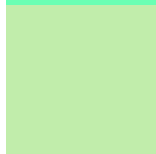
64.3143, 77.3267, 106.1436

Trichromacy



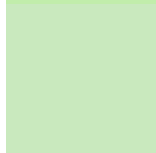
Original Color

49.8405, 77.8388, 55.0454



Protanomaly

59.6272, 74.8461, 49.8321



Deuteranomaly

62.5206, 74.4130, 59.7832



Tritanomaly

57.6729, 76.6016, 84.4190

Monochromacy



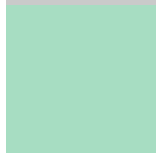
Original Color

49.8405, 77.8388, 55.0454



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 49.8405, 77.8388, 55.0454 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(106, 255, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 179) }
```

Border

The CSS property to change the border of an element to XYZ 49.8405, 77.8388, 55.0454 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, 179) }
```


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

```
.border{ border-color:rgb(106, 255, 179) }
```

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, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(106, 255,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8405, 77.8388, 55.0454 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, 179) }
```

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

```
.background{ background-color: rgb(106,  
255, 179) }
```

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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