

Converting Colors

XYZ(49.5118, 77.6611, 55.4037)

Have a look what the booklet for
XYZ(49.5118, 77.6611, 55.4037)
contains.

XYZ(49.5917, 77.6989, 55.5636)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.5917, 77.6989,
55.5636)**

Conversions

Conversions Part 1

Format	Color
Hex	67FFB4
RGB	103, 255, 180
RGB Percent	40%, 100%, 71%
CMY	0.5961, 0.0000, 0.2941
CMYK	0.60, 0.00, 0.29, 0.00
HSL	150°, 100%, 70%
HSV	150°, 60%, 100%
XYZ	49.5917, 77.6989, 55.5636
YIQ	201.0020, -66.5170, -55.5490

Conversions

Conversions Part 2

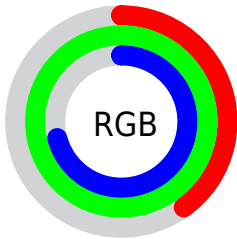
Format	Color
RYB	103, 204, 255
Decimal	6815668
CIELab	90.64, -57.14, 24.04
CIELCh	91, 61.992, 157.180
Yxy	77.6989, 0.2712, 0.4249
Android (android.graphics.Color)	4285005748 (0xFF67FFB4)
YUV	201.0020, -10.3540, -85.9478
Hunter-Lab	88.1470, -53.8327, 24.3293

Details

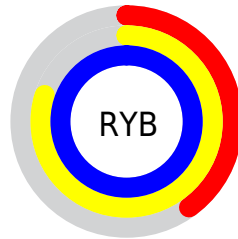
The XYZ color **49.5917, 77.6989, 55.5636** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **54.1265, 34.1754, 45.8635**, and the grayscale version is **55.6103, 58.5064, 63.7135**.

A 20% lighter version of the original color is **66.4174, 85.5755, 92.3740**, and **24.0282, 41.5840, 26.8388** is the 20% darker color. If you saturate the color by 10%, you get **45.8753, 75.9244, 49.0002**, and if you desaturate by 10%, it is **54.3172, 79.9800, 62.7842**.

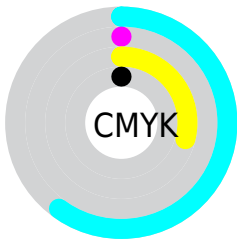
Distribution



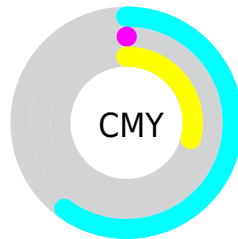
- Red (40%)
- Green (100%)
- Blue (71%)



- Red (40%)
- Yellow (80%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)



- Cyan (60%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5917, 77.6989, 55.5636 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 49.5917, 77.6989, 55.5636 by changing the saturation by 10% instead.


 49.5917, 77.6989,
55.5636


 49.5917, 77.6989,
55.5636

375.5455,
487.1437, 425.3868

 35.3056, 57.8267,
39.4515


 88.7651, 130.1256,
99.8456

 24.0660, 41.6693,
26.8006


 114.3830,
163.4488, 128.8527

 15.5076, 28.8424,
17.1924


 144.5089,
202.0245, 162.9951

 9.2650, 18.9617,
10.2084

179.5082,
246.2371, 202.6914

 4.9729, 11.6426,
5.4299

219.7461,
296.4708, 248.3602

 2.2660, 6.5008,
2.4385

265.5880,

 0.7772, 3.1519,

353.1103, 300.4200

0.8073

317.3994,
416.5398, 359.2894

0.0000, 1.2116,
0.0000

0.0000, 0.0711,
0.0000

49.5917, 77.6989,
55.5636

49.5917, 77.6989,
55.5636

45.8753, 75.9244,
49.0002

54.3172, 79.9800,
62.7842

43.0791, 74.6113,
43.0700

60.1265, 82.8061,
70.6772

41.1007, 73.7070,
37.7527

67.0888, 86.2125,
79.2620

39.7800, 73.1294,
33.0233

75.2670, 90.2313,
88.5560

■ 39.7344, 73.1097,
32.8488

■ 84.7192, 94.8921,
98.5757

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.



57.2256, 77.6989, 33.0972



49.5917, 77.6989, 55.5636



47.9954, 77.6989, 95.7532

Triad

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



49.5917, 77.6989, 55.5636



77.6483, 77.6989, 201.0685



100.3060, 77.6989, 42.7092

Complementary

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



49.5917, 77.6989, 55.5636



54.1265, 34.1754, 45.8635

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.



107.6388, 77.6989, 74.3500



49.5917, 77.6989, 55.5636



93.4186, 77.6989, 172.7337

Square

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



49.5917, 77.6989, 55.5636



62.8578, 77.6989, 190.5249



104.9562, 77.6989, 122.3176



86.0554, 77.6989, 27.6995

Rectangle

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



49.5917, 77.6989, 55.5636



50.3320, 77.6989, 130.0178



104.9562, 77.6989, 122.3176



103.7465, 77.6989, 51.2238

Sweetspot

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



49.5923, 77.6991, 55.5649



76.6984, 90.9361, 90.1165



56.7990, 82.0832, 25.6827



15.8669, 19.1935, 18.6867



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.



49.5923, 77.6991, 55.5649



45.1258, 75.5699, 47.5240



59.4038, 81.6237, 107.2318



18.1555, 20.3217, 21.1220



20.8377, 38.2317, 17.5622



2.0841, 3.7446, 2.0005

Inverse Universe

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



54.1265, 34.1754, 45.8635



50.0395, 28.4258, 37.0276



48.5388, 31.9404, 16.4395



18.3830, 18.1365, 20.6342



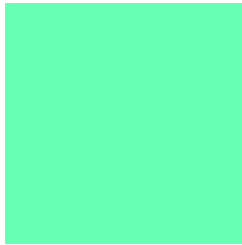
23.5856, 11.9235, 11.7343



2.3515, 1.1830, 1.4324

Previews

White Background



This preview shows how the XYZ color 49.5917, 77.6989, 55.5636 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 49.5917, 77.6989, 55.5636 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 49.5917, 77.6989, 55.5636

Background



This preview shows how black text looks on a background with the XYZ color 49.5917, 77.6989, 55.5636.



This preview shows how white text looks on a background with the XYZ color 49.5917, 77.6989,

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

49.5917, 77.6989, 55.5636

Protanopia

71.1336, 76.2374, 47.5254

Deuteranopia

76.6496, 75.9543, 63.4441



Tritanopia

63.9080, 77.1172, 106.1245

Trichromacy



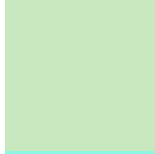
Original Color

49.5917, 77.6989, 55.5636



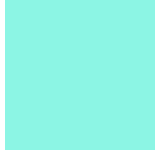
Protanomaly

59.4688, 74.7534, 50.3242



Deuteranomaly

62.0800, 73.7542, 60.2542



Tritanomaly

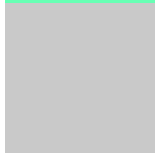
57.4712, 76.4817, 85.1322

Monochromacy



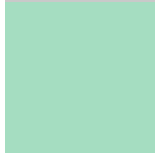
Original Color

49.5917, 77.6989, 55.5636



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

50.9991, 63.5625, 60.0329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5917, 77.6989, 55.5636 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(103, 255, 180)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 255, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 255, 180) }
```

Border

The CSS property to change the border of an element to XYZ 49.5917, 77.6989, 55.5636 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(103, 255, 180) }
```


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

```
.border{ border-color:rgb(103, 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(103, 255, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(103, 255,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5917, 77.6989, 55.5636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 255, 180) }
```

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

```
.background{ background-color: rgb(103,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor