

Converting Colors

XYZ(49.1937, 77.5159, 54.5391)

Have a look what the booklet for
XYZ(49.1937, 77.5159, 54.5391)
contains.

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Color

**XYZ(49.1627, 77.5011,
54.4875)**

Conversions

Conversions Part 1

Format	Color
Hex	65FFB2
RGB	101, 255, 178
RGB Percent	40%, 100%, 70%
CMY	0.6039, 0.0000, 0.3020
CMYK	0.60, 0.00, 0.30, 0.00
HSL	150°, 100%, 70%
HSV	150°, 60%, 100%
XYZ	49.1627, 77.5011, 54.4875
YIQ	200.1760, -67.0670, -56.5950

Conversions

Conversions Part 2

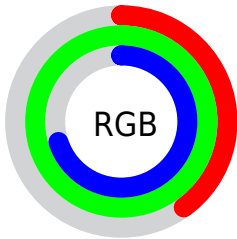
Format	Color
RYB	101, 204, 255
Decimal	6684594
CIELab	90.55, -57.91, 24.93
CIELCh	91, 63.049, 156.714
Yxy	77.5011, 0.2714, 0.4278
Android (android.graphics.Color)	4284874674 (0xFF65FFB2)
YUV	200.1760, -10.9328, -86.9774
Hunter-Lab	88.0347, -54.3780, 24.9278

Details

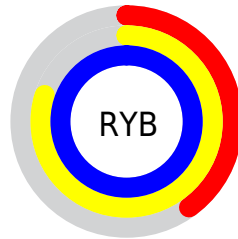
The XYZ color **49.1627, 77.5011, 54.4875** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **53.9299, 33.7823, 45.7981**, and the grayscale version is **55.1031, 57.9728, 63.1324**.

A 20% lighter version of the original color is **65.9211, 85.3530, 90.8423**, and **23.7681, 41.4648, 26.1528** is the 20% darker color. If you saturate the color by 10%, you get **45.5157, 75.7620, 47.9425**, and if you desaturate by 10%, it is **53.8153, 79.7447, 61.7033**.

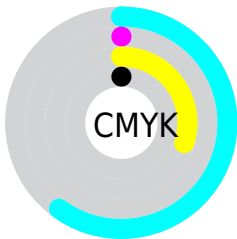
Distribution



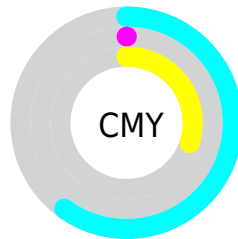
- Red (40%)
- Green (100%)
- Blue (70%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1627, 77.5011, 54.4875 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 49.1627, 77.5011, 54.4875 by changing the saturation by 10% instead.

 49.1627, 77.5011,
54.4875


 49.1627, 77.5011,
54.4875


373.8888,
486.4708, 421.1933

 34.9636, 57.6642,
38.5957


 88.1323, 129.8466,
98.2533

 23.8012, 41.5388,
26.1400


 113.6336,
163.1240, 126.9643

 15.3102, 28.7403,
16.7017


 143.6329,
201.6504, 160.7856

 9.1251, 18.8845,
9.8623

178.4958,
245.8102, 200.1355

 4.8806, 11.5868,
5.2034

218.5874,
295.9877, 245.4327

 2.2114, 6.4630,
2.3062

264.2732,

 0.7488, 3.1286,

352.5674, 297.0958

0.7347

315.9186,
415.9336, 355.5431

0.0000, 1.1992,
0.0000

0.0000, 0.0611,
0.0000

49.1627, 77.5011,
54.4875

49.1627, 77.5011,
54.4875

45.5157, 75.7620,
47.9425

53.8153, 79.7447,
61.7033

42.7843, 74.4817,
42.0435


59.5489, 82.5315,
69.6057

40.8642, 73.6066,
36.7692

66.4336, 85.8972,
78.2151

39.6235, 73.0654,
32.2651

74.5326, 89.8742,
87.5492

 83.9045, 94.4923,
97.6256

94.6040, 99.7794,
108.4608

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.



56.9741, 77.5011, 32.1414



49.1627, 77.5011, 54.4875



47.4544, 77.5011, 94.9557

Triad

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



49.1627, 77.5011, 54.4875



77.2663, 77.5011, 203.4254



100.7562, 77.5011, 42.3731

Complementary

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



49.1627, 77.5011, 54.4875



53.9299, 33.7823, 45.7981

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.



108.0860, 77.5011, 74.6304



49.1627, 77.5011, 54.4875



93.3276, 77.5011, 174.9532

Square

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



49.1627, 77.5011, 54.4875



62.3084, 77.5011, 191.9932



105.1899, 77.5011, 123.6038



86.3182, 77.5011, 27.0943

Rectangle

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



49.1627, 77.5011, 54.4875



49.7506, 77.5011, 129.7777



105.1899, 77.5011, 123.6038



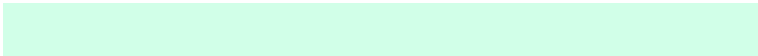
104.2205, 77.5011, 51.0446

Sweetspot

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



49.1633, 77.5013, 54.4888



76.6554, 90.9190, 89.8903



56.4696, 81.9248, 25.1495



15.8565, 19.1893, 18.6316



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.



49.1633, 77.5013, 54.4888



45.0169, 75.5263, 46.9502



59.1772, 81.5069, 107.2212



18.1504, 20.3197, 21.0949



20.7795, 38.2084, 17.2560



2.0783, 3.7423, 1.9704

Inverse Universe

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



53.9299, 33.7823, 45.7981



50.1475, 28.4690, 37.5959



48.2431, 31.5076, 15.8516



18.3882, 18.1386, 20.6613



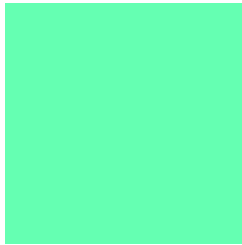
23.6428, 11.9464, 12.0356



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 49.1627, 77.5011, 54.4875 looks on a white background.

Color Contrast Check

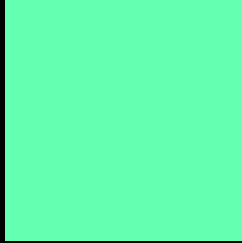
Large Text (above 18pt) WCAG AA × Fail

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 49.1627, 77.5011, 54.4875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

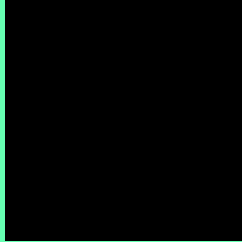
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1627, 77.5011, 54.4875

Background



This preview shows how black text looks on a background with the XYZ color 49.1627, 77.5011, 54.4875.

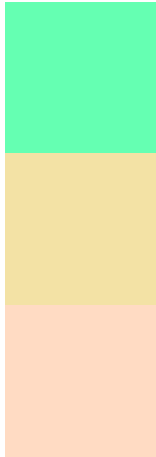


This preview shows how white text looks on a background with the XYZ color 49.1627, 77.5011,

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

49.1627, 77.5011, 54.4875

Protanopia

70.9500, 76.1640, 46.5590

Deuteranopia

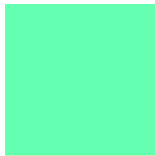
76.4218, 75.8632, 62.2449



Tritanopia

63.7073, 77.0138, 106.1152

Trichromacy



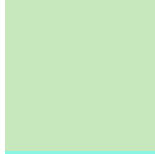
Original Color

49.1627, 77.5011, 54.4875



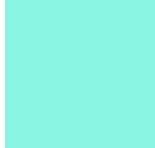
Protanomaly

59.0257, 74.5470, 49.3082



Deuteranomaly

61.5951, 73.5295, 59.0903



Tritanomaly

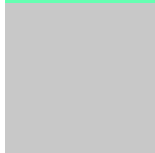
57.1650, 76.3398, 84.3952

Monochromacy



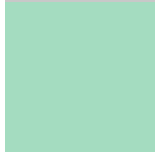
Original Color

49.1627, 77.5011, 54.4875



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.4175, 62.8847, 59.3498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1627, 77.5011, 54.4875 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(101, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(101, 255, 178)  
}
```

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(101, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 255, 178) }
```

Border

The CSS property to change the border of an element to XYZ 49.1627, 77.5011, 54.4875 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(101, 255, 178) }
```


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

```
.border{ border-color:rgb(101, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(101, 255,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1627, 77.5011, 54.4875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 255, 178) }
```

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

```
.background{ background-color: rgb(101,  
255, 178) }
```

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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