

Converting Colors

XYZ(57.4893, 93.3991, 59.9754)

Have a look what the booklet for
XYZ(57.4893, 93.3991, 59.9754)
contains.

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Color

**XYZ(49.5628, 77.6482,
57.1751)**

Conversions

Conversions Part 1

Format	Color
Hex	64FFB7
RGB	100, 255, 183
RGB Percent	39%, 100%, 72%
CMY	0.6078, 0.0000, 0.2823
CMYK	0.61, 0.00, 0.28, 0.00
HSL	152°, 100%, 70%
HSV	152°, 61%, 100%
XYZ	49.5628, 77.6482, 57.1751
YIQ	200.4470, -69.2680, -55.2520

Conversions

Conversions Part 2

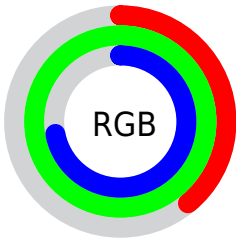
Format	Color
RYB	100, 201, 255
Decimal	6619063
CIELab	90.62, -57.12, 22.47
CIELCh	91, 61.380, 158.523
Yxy	77.6482, 0.2688, 0.4211
Android (android.graphics.Color)	4284809143 (0xFF64FFB7)
YUV	200.4470, -8.6014, -88.0920
Hunter-Lab	88.1182, -53.8081, 23.2127

Details

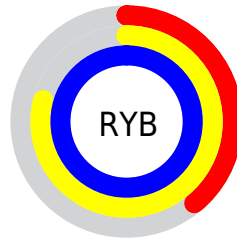
The XYZ color **49.5628, 77.6482, 57.1751** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **53.2441, 33.3538, 42.6623**, and the grayscale version is **55.2577, 58.1354, 63.3094**.

A 20% lighter version of the original color is **66.4442, 85.5385, 94.6700**, and **24.0206, 41.5571, 27.8744** is the 20% darker color. If you saturate the color by 10%, you get **45.9887, 75.9422, 50.8412**, and if you desaturate by 10%, it is **54.1243, 79.8513, 64.0995**.

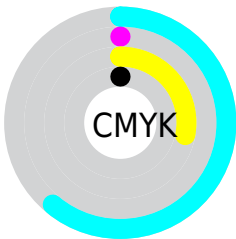
Distribution



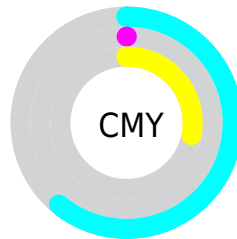
- Red (39%)
- Green (100%)
- Blue (72%)



- Red (39%)
- Yellow (79%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5628, 77.6482, 57.1751 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 49.5628, 77.6482, 57.1751 by changing the saturation by 10% instead.


 49.5628, 77.6482,
57.1751


 49.5628, 77.6482,
57.1751


375.4341,
486.9712, 431.6172


 35.2825, 57.7850,
40.7355


 88.7225, 130.0541,
102.2235

 24.0481, 41.6358,
27.7944


 114.3326,
163.3656, 131.6694

 15.4942, 28.8163,
17.9330


 144.4500,
201.9286, 166.2879

 9.2556, 18.9419,
10.7330

179.4400,
246.1277, 206.4974

 4.9667, 11.6283,
5.7757

219.6681,
296.3470, 252.7166

 2.2623, 6.4911,
2.6426

265.4996,

 0.7753, 3.1459,

352.9712, 305.3639

0.9143

317.2998,
416.3844, 364.8580

0.0000, 1.2084,
0.0000

0.0000, 0.0685,
0.0000

49.5628, 77.6482,
57.1751

49.5628, 77.6482,
57.1751

45.9887, 75.9422,
50.8412

54.1243, 79.8513,
64.0995

43.3120, 74.6871,
45.0764


59.7482, 82.5897,
71.6269


41.4282, 73.8294,
39.8633


66.5041, 85.8991,
79.7742

40.2431, 73.3132,
35.5275

74.4550, 89.8118,
88.5562

 83.6591, 94.3575,
97.9874

 94.1706, 99.5639,
108.0816

 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.



56.8740, 77.6482, 34.0897



49.5628, 77.6482, 57.1751



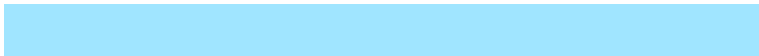
48.2505, 77.6482, 97.7292

Triad

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



49.5628, 77.6482, 57.1751



78.2724, 77.6482, 199.0006



99.4390, 77.6482, 42.0074

Complementary

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



49.5628, 77.6482, 57.1751



53.2441, 33.3538, 42.6623

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.



107.0796, 77.6482, 72.6045



49.5628, 77.6482, 57.1751



93.7948, 77.6482, 169.6182

Square

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



49.5628, 77.6482, 57.1751



63.4964, 77.6482, 190.3784



104.8820, 77.6482, 119.4973



85.1669, 77.6482, 27.6876

Rectangle

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



49.5628, 77.6482, 57.1751



50.7501, 77.6482, 131.7770



104.8820, 77.6482, 119.4973



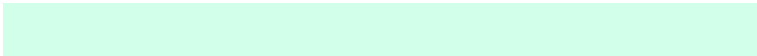
102.9523, 77.6482, 50.2103

Sweetspot

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



49.5635, 77.6486, 57.1764



76.8880, 91.0120, 91.1148



55.1475, 81.2489, 24.8337



15.9131, 19.2119, 18.9299



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.



49.5635, 77.6486, 57.1764



45.3211, 75.6267, 49.5143



57.4399, 78.1973, 106.6739



18.1782, 20.3308, 21.2415



21.1041, 38.3382, 18.9654



2.1100, 3.7549, 2.1373

Inverse Universe

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



53.2441, 33.3538, 42.6623



49.3022, 27.8751, 33.9330



48.6094, 32.3181, 15.7337



18.3605, 18.1275, 20.5153



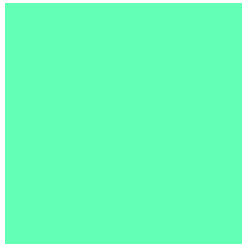
23.3452, 11.8274, 10.4681



2.3276, 1.1734, 1.3063

Previews

White Background



This preview shows how the XYZ color 49.5628, 77.6482, 57.1751 looks on a white background.

Color Contrast Check

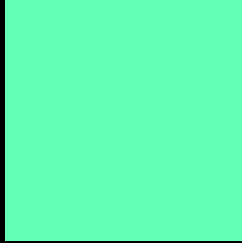
Large Text (above 18pt) WCAG AA × Fail

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 49.5628, 77.6482, 57.1751 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 49.5628, 77.6482, 57.1751

Background



This preview shows how black text looks on a background with the XYZ color 49.5628, 77.6482, 57.1751.



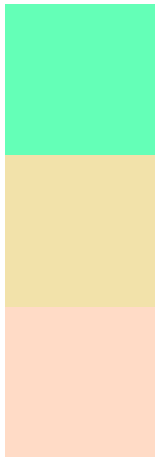
This preview shows how white text looks on a background with the XYZ color 49.5628, 77.6482,

57.1751.

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

49.5628, 77.6482, 57.1751

Protanopia

71.0700, 76.1722, 48.9871

Deuteranopia

76.7646, 76.0003, 64.0497



Tritanopia

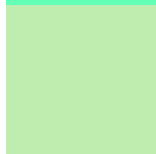
63.7073, 77.0138, 106.1152

Trichromacy



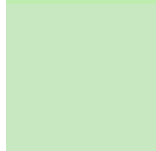
Original Color

49.5628, 77.6482, 57.1751



Protanomaly

59.2573, 74.6107, 51.8356



Deuteranomaly

62.0354, 73.7056, 61.4091



Tritanomaly

57.2765, 76.3652, 85.8499

Monochromacy



Original Color

49.5628, 77.6482, 57.1751



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.6406, 62.9740, 60.5251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5628, 77.6482, 57.1751 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(100, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(100, 255, 183)  
}
```

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(100, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 255, 183) }
```

Border

The CSS property to change the border of an element to XYZ 49.5628, 77.6482, 57.1751 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(100, 255, 183) }
```


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

```
.border{ border-color:rgb(100, 255, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(100, 255,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5628, 77.6482, 57.1751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 255, 183) }
```

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

```
.background{ background-color: rgb(100,  
255, 183) }
```

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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