

Converting Colors

XYZ(63.9482, 105.9776,
57.4589)

Have a look what the booklet for
XYZ(63.9482, 105.9776, 57.4589)
contains.

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Color

**XYZ(49.9283, 77.9301,
52.9680)**

Conversions

Conversions Part 1

Format	Color
Hex	6EFFAF
RGB	110, 255, 175
RGB Percent	43%, 100%, 69%
CMY	0.5686, 0.0000, 0.3137
CMYK	0.57, 0.00, 0.31, 0.00
HSL	147°, 100%, 72%
HSV	147°, 57%, 100%
XYZ	49.9283, 77.9301, 52.9680
YIQ	202.5250, -60.7400, -55.6200

Conversions

Conversions Part 2

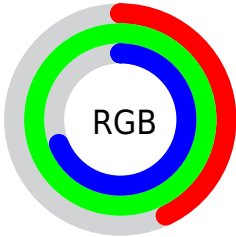
Format	Color
RYB	110, 210, 255
Decimal	7274415
CIELab	90.75, -56.69, 26.75
CIELCh	91, 62.682, 154.735
Yxy	77.9301, 0.2761, 0.4310
Android (android.graphics.Color)	4285464495 (0xFF6EFAF)
YUV	202.5250, -13.5698, -81.1444
Hunter-Lab	88.2780, -53.5305, 26.2198

Details

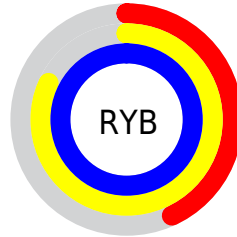
The XYZ color **49.9283, 77.9301, 52.9680** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **56.1106, 36.1303, 52.7321**, and the grayscale version is **56.5767, 59.5231, 64.8206**.

A 20% lighter version of the original color is **66.9784, 85.9474, 88.6607**, and **24.2067, 41.7127, 25.1879** is the 20% darker color. If you saturate the color by 10%, you get **45.8886, 75.9990, 45.9383**, and if you desaturate by 10%, it is **55.0259, 80.3900, 60.8014**.

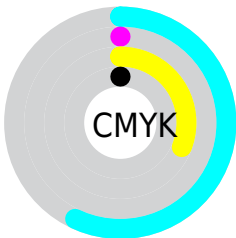
Distribution



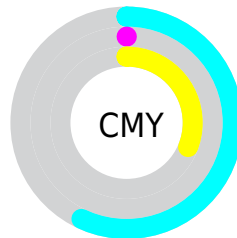
- Red (43%)
- Green (100%)
- Blue (69%)



- Red (43%)
- Yellow (82%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9283, 77.9301, 52.9680 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 49.9283, 77.9301, 52.9680 by changing the saturation by 10% instead.


 49.9283, 77.9301,
52.9680


 49.9283, 77.9301,
52.9680


376.8421,
487.9294, 415.2252


 35.5740, 58.0166,
37.3897


 89.2611, 130.4516,
95.9983

 24.2739, 41.8220,
25.2112


 114.9703,
163.8283, 124.2875

 15.6628, 28.9619,
16.0140


 145.1952,
202.4616, 157.6506

 9.3752, 19.0520,
9.3796

180.3011,
246.7357, 196.5062

 5.0458, 11.7079,
4.8894

220.6534,
297.0352, 241.2730

 2.3092, 6.5451,
2.1249

266.6174,

 0.7994, 3.1793,

353.7444, 292.3694

0.6305

318.5585,
417.2476, 350.2139

0.0000, 1.2260,
0.0000

0.0000, 0.0828,
0.0000

49.9283, 77.9301,
52.9680

49.9283, 77.9301,
52.9680

45.8886, 75.9990,
45.9383

55.0259, 80.3900,
60.8014

42.8197, 74.5523,
39.6814

61.2548, 83.4159,
69.4600

40.6230, 73.5395,
34.1700

68.6838, 87.0429,
78.9693

39.1736, 72.8970,
29.3729

77.3754, 91.3028,
89.3524

■ 38.8150, 72.7420,
28.0076

■ 87.3878, 96.2251,
100.6315

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.



58.1261, 77.9301, 31.6863



49.9283, 77.9301, 52.9680



47.8121, 77.9301, 92.2120

Triad

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



49.9283, 77.9301, 52.9680



76.5972, 77.9301, 203.8966



101.8366, 77.9301, 44.4206

Complementary

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



49.9283, 77.9301, 52.9680



56.1106, 36.1303, 52.7321

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.



108.5200, 77.9301, 77.8957



49.9283, 77.9301, 52.9680



92.6920, 77.9301, 177.9009

Square

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



49.9283, 77.9301, 52.9680



61.8866, 77.9301, 189.8830



104.9576, 77.9301, 127.4948



87.7563, 77.9301, 28.1183

Rectangle

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



49.9283, 77.9301, 52.9680



49.8373, 77.9301, 126.5430



104.9576, 77.9301, 127.4948



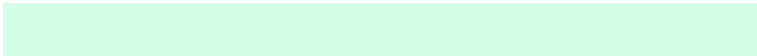
105.1070, 77.9301, 53.5010

Sweetspot

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



49.9289, 77.9305, 52.9693



77.2461, 91.2393, 89.2024



60.3555, 83.8743, 27.7611



16.1386, 19.3350, 18.6318



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.



49.9289, 77.9305, 52.9693



45.4918, 75.8107, 45.1874



58.7232, 81.4482, 99.2795



18.1100, 20.3035, 20.8823



20.3544, 38.0383, 15.0173



2.0359, 3.7253, 1.7470

Inverse Universe

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



56.1106, 36.1303, 52.7321



52.1898, 30.4195, 44.8561



50.1864, 33.7606, 21.5357



18.4288, 18.1548, 20.8753



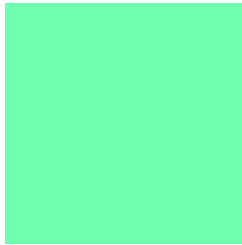
24.1252, 12.1394, 14.5758



2.4041, 1.2040, 1.7092

Previews

White Background



This preview shows how the XYZ color 49.9283, 77.9301, 52.9680 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 49.9283, 77.9301, 52.9680 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 49.9283, 77.9301, 52.9680

Background



This preview shows how black text looks on a background with the XYZ color 49.9283, 77.9301, 52.9680.



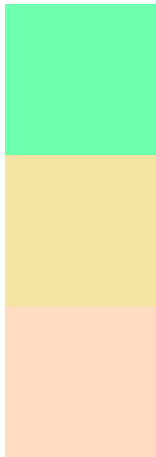
This preview shows how white text looks on a background with the XYZ color 49.9283, 77.9301,

52.9680.

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

49.9283, 77.9301, 52.9680

Protanopia

71.2989, 76.7799, 45.2446

Deuteranopia

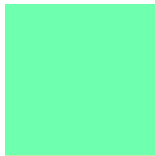
76.6835, 76.3865, 62.3322



Tritanopia

64.5199, 77.4327, 106.1532

Trichromacy



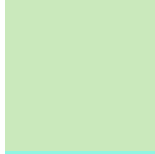
Original Color

49.9283, 77.9301, 52.9680



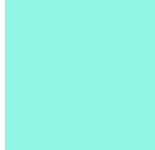
Protanomaly

59.7649, 74.9605, 47.8781



Deuteranomaly

62.5731, 74.4652, 58.6522



Tritanomaly

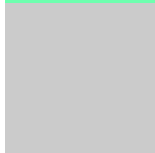
57.8815, 76.7251, 83.7103

Monochromacy



Original Color

49.9283, 77.9301, 52.9680



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.1091, 64.5278, 60.1608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9283, 77.9301, 52.9680 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(110, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(110, 255, 175)  
}
```

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(110, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 255, 175) }
```

Border

The CSS property to change the border of an element to XYZ 49.9283, 77.9301, 52.9680 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(110, 255, 175) }
```


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

```
.border{ border-color:rgb(110, 255, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 255, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 255, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 255, 175); box-shadow:4px 4px 4px 4px rgb(110, 255, 175) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9283, 77.9301, 52.9680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 255, 175) }
```

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

```
.background{ background-color: rgb(110,  
255, 175) }
```

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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