

Converting Colors

XYZ(49.5550, 77.7127, 54.0803)

Have a look what the booklet for
XYZ(49.5550, 77.7127, 54.0803)
contains.

XYZ(49.5215, 77.6976, 53.9821)	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(49.5215, 77.6976,
53.9821)**

Conversions

Conversions Part 1

Format	Color
Hex	69FFB1
RGB	105, 255, 177
RGB Percent	41%, 100%, 69%
CMY	0.5882, 0.0000, 0.3059
CMYK	0.59, 0.00, 0.31, 0.00
HSL	149°, 100%, 71%
HSV	149°, 59%, 100%
XYZ	49.5215, 77.6976, 53.9821
YIQ	201.2580, -64.3620, -56.0580

Conversions

Conversions Part 2

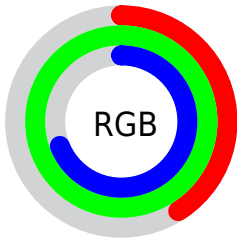
Format	Color
RYB	105, 206, 255
Decimal	6946737
CIELab	90.64, -57.33, 25.57
CIElCh	91, 62.772, 155.959
Yxy	77.6976, 0.2733, 0.4288
Android (android.graphics.Color)	4285136817 (0xFF69FFB1)
YUV	201.2580, -11.9592, -84.4183
Hunter-Lab	88.1462, -53.9727, 25.3923

Details

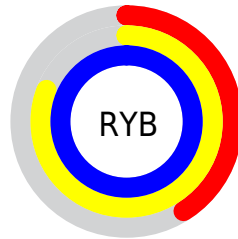
The XYZ color **49.5215, 77.6976, 53.9821** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **54.8391, 34.7826, 48.6233**, and the grayscale version is **55.7780, 58.6828, 63.9055**.

A 20% lighter version of the original color is **66.4043, 85.6187, 90.1170**, and **23.9810, 41.5819, 25.8310** is the 20% darker color. If you saturate the color by 10%, you get **45.7041, 75.8750, 47.2367**, and if you desaturate by 10%, it is **54.3662, 80.0349, 61.4486**.

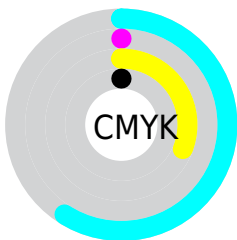
Distribution



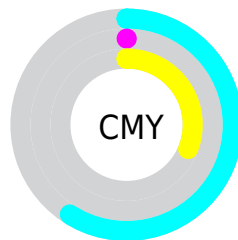
- Red (41%)
- Green (100%)
- Blue (69%)



- Red (41%)
- Yellow (81%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5215, 77.6976, 53.9821 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 49.5215, 77.6976, 53.9821 by changing the saturation by 10% instead.


 49.5215, 77.6976,
53.9821


 49.5215, 77.6976,
53.9821


375.2747,
487.1392, 419.2144


 35.2496, 57.8256,
38.1943


 88.6616, 130.1237,
97.5041

 24.0226, 41.6685,
25.8305


 114.2604,
163.4467, 126.0754

 15.4752, 28.8418,
16.4723


 144.3657,
202.0221, 159.7448

 9.2421, 18.9612,
9.7010

179.3426,
246.2343, 198.9311

 4.9578, 11.6422,
5.0982

219.5567,
296.4677, 244.0526

 2.2570, 6.5005,
2.2452

265.3731,

 0.7725, 3.1518,

353.1067, 295.5280

0.7003

317.1574,
416.5358, 353.7757

■ 0.0000, 1.2115,
0.0000

■ 0.0000, 0.0710,
0.0000

■ 49.5215, 77.6976,
53.9821

■ 49.5215, 77.6976,
53.9821

■ 45.7041, 75.8750,
47.2367

■ 54.3662, 80.0349,
61.4486

■ 42.8255, 74.5219,
41.1855

■ 60.3127, 82.9249,
69.6540

■ 40.7841, 73.5866,
35.8050

■ 67.4302, 86.4031,
78.6206

■ 39.4334, 72.9937,
31.0674

■ 75.7817, 90.5013,
88.3681

■ 39.2978, 72.9351,
30.5498

■ 85.4255, 95.2494,
98.9156

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.



57.4699, 77.6976, 32.0600



49.5215, 77.6976, 53.9821



47.6599, 77.6976, 93.9177

Triad

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



49.5215, 77.6976, 53.9821



77.0350, 77.6976, 203.3542



101.1454, 77.6976, 43.2379

Complementary

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



49.5215, 77.6976, 53.9821



54.8391, 34.7826, 48.6233

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.



108.2128, 77.6976, 75.9189



49.5215, 77.6976, 53.9821



93.0779, 77.6976, 175.9024

Square

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



49.5215, 77.6976, 53.9821



62.1967, 77.6976, 190.9674



105.0689, 77.6976, 125.0360



86.8732, 77.6976, 27.5761

Rectangle

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



49.5215, 77.6976, 53.9821



49.8502, 77.6976, 128.4782



105.0689, 77.6976, 125.0360



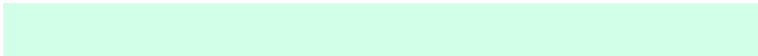
104.5283, 77.6976, 52.0570

Sweetspot

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



49.5221, 77.6979, 53.9834



76.5253, 90.8669, 89.2051



58.3179, 82.8544, 26.2842



15.8248, 19.1766, 18.4649



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.



49.5221, 77.6979, 53.9834



45.0005, 75.5420, 45.8606



58.8414, 81.4256, 103.0580



18.1347, 20.3134, 21.0125



20.6085, 38.1400, 16.3553



2.0614, 3.7355, 1.8813

Inverse Universe

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



54.8391, 34.7826, 48.6233



50.7622, 28.9816, 40.0106



49.1065, 32.4896, 18.4356



18.4039, 18.1449, 20.7439



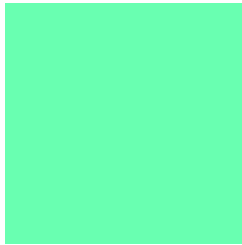
23.8224, 12.0183, 12.9813



2.3747, 1.1923, 1.5548

Previews

White Background



This preview shows how the XYZ color 49.5215, 77.6976, 53.9821 looks on a white background.

Color Contrast Check

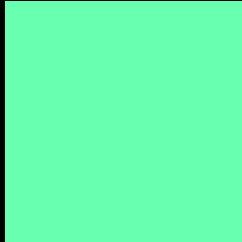
Large Text (above 18pt) WCAG AA × Fail

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 49.5215, 77.6976, 53.9821 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 49.5215, 77.6976, 53.9821

Background



This preview shows how black text looks on a background with the XYZ color 49.5215, 77.6976, 53.9821.

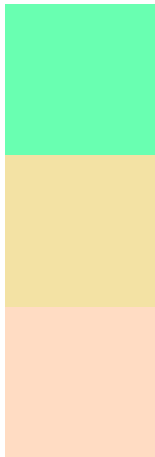


This preview shows how white text looks on a background with the XYZ color 49.5215, 77.6976,

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

49.5215, 77.6976, 53.9821

Protanopia

70.8593, 76.1277, 46.0814

Deuteranopia

76.6835, 76.3865, 62.3322



Tritanopia

64.1104, 77.2216, 106.1340

Trichromacy



Original Color

49.5215, 77.6976, 53.9821



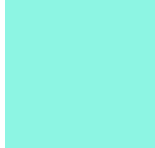
Protanomaly

59.4379, 74.7704, 48.8355



Deuteranomaly

62.0354, 74.1880, 58.6271



Tritanomaly

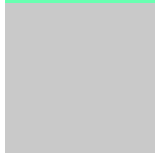
57.5020, 76.5136, 84.4110

Monochromacy



Original Color

49.5215, 77.6976, 53.9821



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.0968, 63.6257, 59.4571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5215, 77.6976, 53.9821 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(105, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 177)  
}
```

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(105, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 177) }
```

Border

The CSS property to change the border of an element to XYZ 49.5215, 77.6976, 53.9821 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(105, 255, 177) }
```


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

```
.border{ border-color:rgb(105, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 255, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 255, 177); box-shadow:4px 4px 4px 4px rgb(105, 255, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5215, 77.6976, 53.9821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 255, 177) }
```

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

```
.background{ background-color: rgb(105,  
255, 177) }
```

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