

Converting Colors

XYZ(46.3157, 75.7440, 50.3482)

Have a look what the booklet for
XYZ(46.3157, 75.7440, 50.3482)
contains.

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Color

**XYZ(46.2648, 75.6249,
50.1889)**

Conversions

Conversions Part 1

Format	Color
Hex	53FEAA
RGB	83, 254, 170
RGB Percent	33%, 100%, 67%
CMY	0.6745, 0.0039, 0.3333
CMYK	0.67, 0.00, 0.33, 0.00
HSL	151°, 99%, 66%
HSV	151°, 67%, 100%
XYZ	46.2648, 75.6249, 50.1889
YIQ	193.2950, -74.9520, -62.3760

Conversions

Conversions Part 2

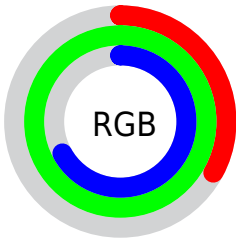
Format	Color
R_{YB}	83, 196, 254
Decimal	5504682
CIE _{Lab}	89.68, -62.22, 27.72
CIE _{LCh}	90, 68.119, 155.987
Yxy	75.6249, 0.2689, 0.4395
Android (android.graphics.Color)	4283694762 (0xFF53FEAA)
YUV	193.2950, -11.4844, -96.7287
Hunter-Lab	86.9626, -57.2211, 26.6556

Details

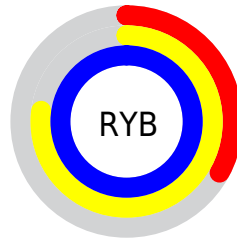
The XYZ color **46.2648, 75.6249, 50.1889** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **50.9438, 30.0490, 39.6771**, and the grayscale version is **50.9611, 53.6150, 58.3867**.

A 20% lighter version of the original color is **62.0651, 83.4950, 84.7965**, and **22.9508, 40.7642, 23.4883** is the 20% darker color. If you saturate the color by 10%, you get **43.2959, 74.2264, 44.1790**, and if you desaturate by 10%, it is **50.1701, 77.4972, 56.8309**.

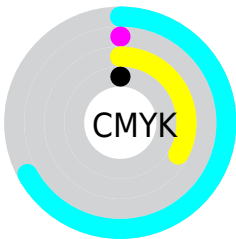
Distribution



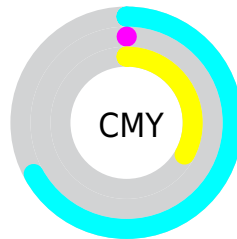
- Red (33%)
- Green (100%)
- Blue (67%)



- Red (33%)
- Yellow (77%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2648, 75.6249, 50.1889 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 46.2648, 75.6249, 50.1889 by changing the saturation by 10% instead.


 46.2648, 75.6249,
50.1889


 46.2648, 75.6249,
50.1889


362.5703,
480.0627, 404.1604


 32.6603, 56.1250,
35.1913


 83.8406, 127.1965,
91.8539


 22.0244, 40.3031,
23.5255


 108.5426,
160.0371, 119.3583

 13.9915, 27.7750,
14.7731


 137.6746,
198.0932, 151.8688

 8.1964, 18.1561,
8.5154

 171.6018,
241.7494, 189.8038

 4.2737, 11.0621,
4.3340

210.6896,
291.3901, 233.5820

 1.8581, 6.1086,
1.8103

255.3034,

 0.5523, 2.9112,

347.3996, 283.6217

0.4348

305.8085,
410.1623, 340.3417

0.0000, 1.0856,
0.0000

0.0000, 0.0000,
0.0000

46.2648, 75.6249,
50.1889

46.2648, 75.6249,
50.1889

43.2959, 74.2264,
44.1790

50.1701, 77.4972,
56.8309

41.1597, 73.2425,
38.7751


55.0892, 79.8769,
64.1191


39.7323, 72.6119,
33.9561

61.0979, 82.8047,
72.0738

39.4208, 72.4774,
32.7602

68.2626, 86.3144,
80.7124

 76.6444, 90.4374,
90.0519

 86.2999, 95.2024,
100.1084

94.7332, 99.3664,
108.7944

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.5481, 75.6249, 27.9430



46.2648, 75.6249, 50.1889



44.3427, 75.6249, 92.3545

Triad

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



46.2648, 75.6249, 50.1889



75.2949, 75.6249, 212.5668



101.2550, 75.6249, 39.1263

Complementary

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



46.2648, 75.6249, 50.1889



50.9438, 30.0490, 39.6771

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.



108.9544, 75.6249, 73.0818



46.2648, 75.6249, 50.1889



92.5400, 75.6249, 181.9491

Square

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



46.2648, 75.6249, 50.1889



59.5393, 75.6249, 198.7827



105.5401, 75.6249, 125.9311



85.8162, 75.6249, 23.5142

Rectangle

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



46.2648, 75.6249, 50.1889



46.6155, 75.6249, 129.7957



105.5401, 75.6249, 125.9311



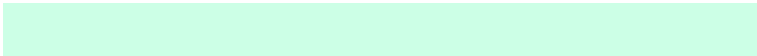
104.9351, 75.6249, 48.1454

Sweetspot

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



46.2668, 75.6279, 50.1906



74.9373, 90.0676, 88.2590



53.2607, 79.8913, 20.7979



15.5240, 19.0244, 18.3201



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.



46.2668, 75.6279, 50.1906



42.7943, 74.4770, 42.4891



56.9009, 79.8816, 106.1893



18.1572, 20.3224, 21.1310



20.8571, 38.2394, 17.6646



2.0860, 3.7453, 2.0106

Inverse Universe

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



50.9438, 30.0490, 39.6771



47.8136, 25.6102, 31.2415



45.5297, 27.8834, 11.1668



18.3813, 18.1358, 20.6252



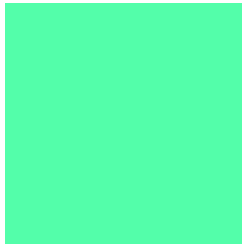
23.5669, 11.9160, 11.6356



2.3496, 1.1822, 1.4226

Previews

White Background



This preview shows how the XYZ color 46.2648, 75.6249, 50.1889 looks on a white background.

Color Contrast Check

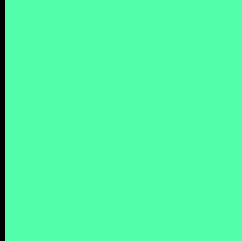
Large Text (above 18pt) WCAG AA × Fail

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 46.2648, 75.6249, 50.1889 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 46.2648, 75.6249, 50.1889

Background



This preview shows how black text looks on a background with the XYZ color 46.2648, 75.6249, 50.1889.

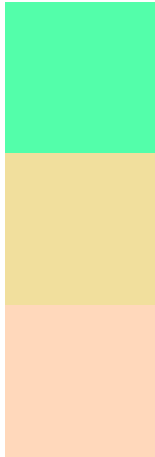


This preview shows how white text looks on a background with the XYZ color 46.2648, 75.6249, 50.1889.

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

46.2648, 75.6249, 50.1889

Protanopia

68.7491, 73.9104, 42.5410

Deuteranopia

74.7655, 73.9596, 57.3488



Tritanopia

60.7706, 75.0640, 105.8936

Trichromacy



Original Color

46.2648, 75.6249, 50.1889



Protanomaly

55.7116, 71.6446, 45.0749



Deuteranomaly

58.3755, 71.1363, 54.3700



Tritanomaly

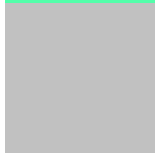
53.9736, 74.2941, 82.0165

Monochromacy



Original Color

46.2648, 75.6249, 50.1889



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

46.1943, 58.8760, 54.8284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2648, 75.6249, 50.1889 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(83, 254, 170)` looks like.

```
.text, #text, p{  
    color:rgb(83, 254, 170)  
}
```

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(83, 254, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 254, 170) }
```

Border

The CSS property to change the border of an element to XYZ 46.2648, 75.6249, 50.1889 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(83, 254, 170) }
```


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

```
.border{ border-color:rgb(83, 254, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 254, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 254, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 254, 170);  
box-shadow:4px 4px 4px 4px rgb(83, 254,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2648, 75.6249, 50.1889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 254, 170) }
```

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

```
.background{ background-color: rgb(83, 254,  
170) }
```

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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