

Converting Colors

XYZ(45.6135, 73.0284, 46.8138)

Have a look what the booklet for
XYZ(45.6135, 73.0284, 46.8138)
contains.

XYZ(45.6135, 73.0284, 46.8138)	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(45.6135, 73.0284,
46.8138)**

Conversions

Conversions Part 1

Format	Color
Hex	62F9A4
RGB	98, 249, 164
RGB Percent	38%, 98%, 64%
CMY	0.6157, 0.0235, 0.3569
CMYK	0.61, 0.00, 0.34, 0.02
HSL	146°, 93%, 68%
HSV	146°, 61%, 98%
XYZ	45.6135, 73.0284, 46.8138
YIQ	194.1610, -62.7110, -58.4470

Conversions

Conversions Part 2

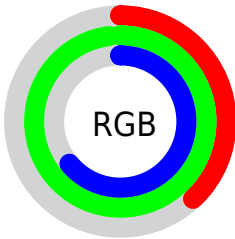
Format	Color
R _Y B	98, 203, 249
Decimal	6486436
CIE Lab	88.46, -58.80, 29.16
CIE LCh	88, 65.634, 153.627
Yxy	73.0284, 0.2757, 0.4414
Android (android.graphics.Color)	4284676516 (0xFF62F9A4)
YUV	194.1610, -14.8694, -84.3332
Hunter-Lab	85.4567, -54.2727, 27.3402

Details

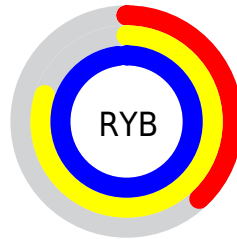
The XYZ color **45.6135, 73.0284, 46.8138** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **51.9841, 32.2954, 48.2958**, and the grayscale version is **51.4870, 54.1683, 58.9893**.

A 20% lighter version of the original color is **63.2441, 84.2115, 79.9390**, and **21.5679, 38.4379, 21.6117** is the 20% darker color. If you saturate the color by 10%, you get **42.1363, 71.3761, 40.4043**, and if you desaturate by 10%, it is **50.0694, 75.1731, 54.0007**.

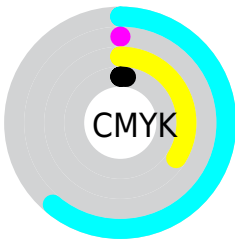
Distribution



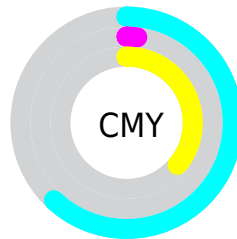
- Red (38%)
- Green (98%)
- Blue (64%)



- Red (38%)
- Yellow (80%)
- Blue (98%)



- Cyan (61%)
- Magenta (0%)
- Yellow (34%)
- Black (2%)





- Cyan (62%)
- Magenta (2%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6135, 73.0284, 46.8138 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 45.6135, 73.0284, 46.8138 by changing the saturation by 10% instead.


 45.6135, 73.0284,
46.8138


 45.6135, 73.0284,
46.8138


359.9946,
471.1132, 390.4430


 32.1443, 53.9992,
32.5352


 82.8717, 123.5175,
86.7827

 21.6278, 38.6010,
21.5024


 107.3913,
155.7462, 113.3100

 13.6987, 26.4495,
13.2969


 136.3252,
193.1435, 144.7574

 7.9917, 17.1602,
7.5002


170.0386,
236.0939, 181.5433

 4.1414, 10.3488,
3.6937

208.8969,
284.9816, 224.0863

 1.7824, 5.6308,
1.4589

253.2654,

 0.5071, 2.6219,

340.1912, 272.8048

0.1870

303.5095,
402.1069, 328.1176

■ 0.0000, 0.9377,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.6135, 73.0284,
46.8138

■ 45.6135, 73.0284,
46.8138

■ 42.1363, 71.3761,
40.4043

■ 50.0694, 75.1731,
54.0007

■ 39.5472, 70.1641,
34.7396


■ 55.5727, 77.8391,
61.9858

■ 37.7472, 69.3438,
29.7919


■ 62.1923, 81.0635,
70.7954

■ 36.6285, 68.8547,
25.7813

■ 69.9891, 84.8772,
80.4531

 79.0199, 89.3091,
90.9812

 89.3373, 94.3858,
102.4014

 93.1671, 96.2341,
108.2724

Harmonies

Analogous

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



53.9221, 73.0284, 26.8741



45.6135, 73.0284, 46.8138



43.3115, 73.0284, 85.1433

Triad

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



45.6135, 73.0284, 46.8138



71.3495, 73.0284, 201.6503



97.8774, 73.0284, 40.4359

Complementary

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



45.6135, 73.0284, 46.8138



51.9841, 32.2954, 48.2958

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.



104.3249, 73.0284, 74.1414



45.6135, 73.0284, 46.8138



87.6144, 73.0284, 176.0847

Square

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



45.6135, 73.0284, 46.8138



56.7821, 73.0284, 185.5951



100.3122, 73.0284, 124.7192



83.7866, 73.0284, 24.2929

Rectangle

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



45.6135, 73.0284, 46.8138



45.1505, 73.0284, 119.6929



100.3122, 73.0284, 124.7192



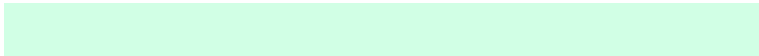
101.0998, 73.0284, 49.5155

Sweetspot

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



45.6154, 73.0314, 46.8155



76.2483, 90.7561, 87.7464



55.7461, 78.7734, 23.8225



15.7575, 19.1497, 18.1105



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.



45.6154, 73.0314, 46.8155



43.7258, 74.9886, 41.1137



54.4851, 76.5792, 93.5227



17.3325, 19.4353, 19.9513



19.6743, 36.8827, 14.1603



1.8744, 3.4369, 1.5864

Inverse Universe

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



51.9841, 32.2954, 48.2958



50.9636, 28.5397, 42.6819



46.1469, 29.9605, 17.5574



17.6539, 17.3889, 20.0330



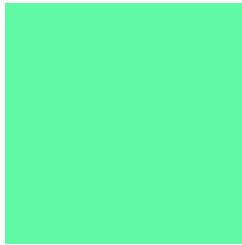
23.5250, 11.8257, 14.7392



2.2321, 1.1166, 1.6456

Previews

White Background



This preview shows how the XYZ color 45.6135, 73.0284, 46.8138 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 45.6135, 73.0284, 46.8138 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 45.6135, 73.0284, 46.8138

Background



This preview shows how black text looks on a background with the XYZ color 45.6135, 73.0284, 46.8138.

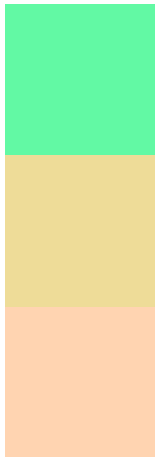


This preview shows how white text looks on a background with the XYZ color 45.6135, 73.0284,

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

45.6135, 73.0284, 46.8138

Protanopia

66.5206, 71.6305, 40.0258

Deuteranopia

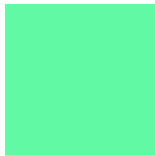
72.7193, 71.5213, 51.5672



Tritanopia

58.1657, 72.8567, 105.6048

Trichromacy



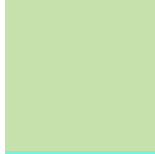
Original Color

45.6135, 73.0284, 46.8138



Protanomaly

55.0702, 70.1169, 42.0839



Deuteranomaly

57.6603, 68.8348, 49.2771



Tritanomaly

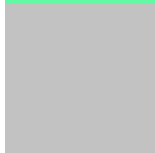
52.5253, 72.2495, 80.2844

Monochromacy



Original Color

45.6135, 73.0284, 46.8138



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

46.8919, 58.8830, 53.6938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6135, 73.0284, 46.8138 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(98, 249, 164)` looks like.

```
.text, #text, p{  
    color:rgb(98, 249, 164)  
}
```

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(98, 249, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 249, 164) }
```

Border

The CSS property to change the border of an element to XYZ 45.6135, 73.0284, 46.8138 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(98, 249, 164) }
```


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

```
.border{ border-color:rgb(98, 249, 164) }
```

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

Here you see how a box with a 4 pixel rgb(98, 249, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 249, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 249, 164);  
box-shadow:4px 4px 4px 4px rgb(98, 249,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6135, 73.0284, 46.8138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 249, 164) }
```

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

```
.background{ background-color: rgb(98, 249,  
164) }
```

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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