

# Converting Colors

XYZ(45.6939, 71.7632, 44.5860)

Have a look what the booklet for  
XYZ(45.6939, 71.7632, 44.5860)  
contains.

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# Color

**XYZ(45.7313, 71.7646,  
44.6994)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EF6A0
RGB	110, 246, 160
RGB Percent	43%, 96%, 63%
CMY	0.5686, 0.0353, 0.3725
CMYK	0.55, 0.00, 0.35, 0.04
HSL	142°, 88%, 70%
HSV	142°, 55%, 96%
XYZ	45.7313, 71.7646, 44.6994
YIQ	195.5320, -53.4500, -55.5780

# Conversions

## Conversions Part 2

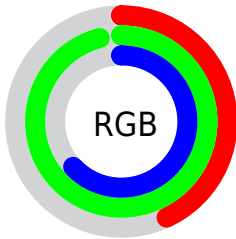
Format	Color
<a href="#">RYB</a>	<a href="#">110, 209, 246</a>
Decimal	<a href="#">7272096</a>
CIELab	<a href="#">87.86, -55.85, 30.42</a>
CIElCh	<a href="#">88, 63.600, 151.427</a>
Yxy	<a href="#">71.7646, 0.2820, 0.4425</a>
Android (android.graphics.Color)	<a href="#">4285462176 (0xFF6EF6A0)</a>
YUV	<a href="#">195.5320, -17.5173, -75.0116</a>
Hunter-Lab	<a href="#">84.7140, -51.8895, 28.0154</a>

# Details

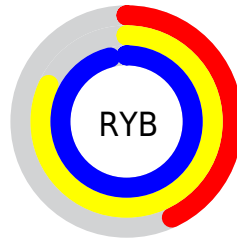
The XYZ color **45.7313, 71.7646, 44.6994** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **53.5480, 34.7316, 56.1083**, and the grayscale version is **52.3150, 55.0395, 59.9380**.

A 20% lighter version of the original color is **64.6033, 84.9723, 77.2863**, and **21.7794, 37.9290, 20.3605** is the 20% darker color. If you saturate the color by 10%, you get **41.8082, 69.8917, 37.8517**, and if you desaturate by 10%, it is **50.6778, 74.1494, 52.4871**.

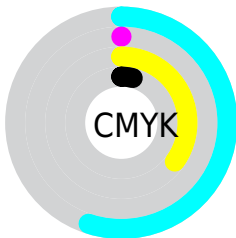
# Distribution



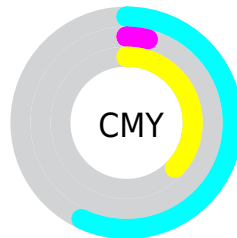
- Red (43%)
- Green (96%)
- Blue (63%)



- Red (43%)
- Yellow (82%)
- Blue (96%)



- Cyan (55%)
- Magenta (0%)
- Yellow (35%)
- Black (4%)




- Cyan (57%)
- Magenta (4%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7313, 71.7646, 44.6994 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 45.7313, 71.7646, 44.6994 by changing the saturation by 10% instead.





 45.7313, 71.7646,  
44.6994


 45.7313, 71.7646,  
44.6994


360.4614,  
466.7218, 381.6793


 32.2376, 52.9664,  
30.8795


 83.0470, 121.7218,  
83.5828

 21.6994, 37.7760,  
20.2494


 107.5998,  
153.6496, 109.4834

 13.7516, 25.8088,  
12.3906


 136.5695,  
190.7227, 140.2480

 8.0286, 16.6807,  
6.8845

170.3217,  
233.3255, 176.2950

 4.1652, 10.0071,  
3.3126

209.2216,  
281.8424, 218.0432

 1.7960, 5.4037,  
1.2564

253.6346,

 0.5153, 2.4860,

336.6579, 265.9109

0.0257

303.9261,  
398.1562, 320.3168

0.0000, 0.8696,  
0.0000

0.0000, 0.0000,  
0.0000

45.7313, 71.7646,  
44.6994

45.7313, 71.7646,  
44.6994

41.8082, 69.8917,  
37.8517

50.6778, 74.1494,  
52.4871

38.8245, 68.4821,  
31.9027


56.7121, 77.0726,  
61.2441


36.6912, 67.4927,  
26.8151


63.8995, 80.5692,  
71.0045


35.2973, 66.8672,  
22.5467

72.2985, 84.6689,  
81.7993

 34.8215, 66.6600,  
20.8033

 81.9636, 89.3989,  
93.6581

 91.9810, 94.2878,  
106.5640

 92.2471, 94.3943,  
107.9657

# Harmonies

## Analogous

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



54.1463, 71.7646, 26.4497



45.7313, 71.7646, 44.6994



43.0790, 71.7646, 80.2321

# Triad

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



45.7313, 71.7646, 44.6994



68.9369, 71.7646, 194.4286



96.1468, 71.7646, 42.2691

# Complementary

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



45.7313, 71.7646, 44.6994



53.5480, 34.7316, 56.1083

# 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.



101.5970, 71.7646, 76.0835



45.7313, 71.7646, 44.6994



84.5198, 71.7646, 172.8953

# Square

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



45.7313, 71.7646, 44.6994



55.2289, 71.7646, 176.4413



97.0602, 71.7646, 125.1089



83.0809, 71.7646, 25.4549



# Rectangle

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



45.7313, 71.7646, 44.6994



44.5684, 71.7646, 112.6746



97.0602, 71.7646, 125.1089



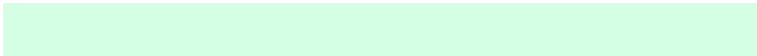
99.0103, 71.7646, 51.4981

# Sweetspot

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



45.7332, 71.7675, 44.7010



76.7570, 91.0436, 86.6265



58.5723, 78.7942, 26.8741



16.0235, 19.2890, 18.0260



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.



45.7332, 71.7675, 44.7010



45.0534, 75.6882, 40.4908



53.3734, 74.8236, 84.9341



16.5341, 18.5728, 18.8307



18.6473, 35.6038, 11.4285



1.6867, 3.1483, 1.2559



# Inverse Universe

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



53.5480, 34.7316, 56.1083



54.2636, 31.8838, 53.8195



47.4889, 32.3080, 24.2020



16.9401, 16.6589, 19.4311



23.5391, 11.7591, 18.0793

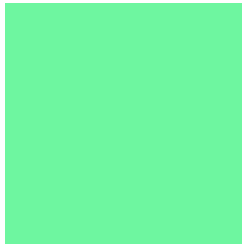


2.1183, 1.0533, 1.8491



# Previews

## White Background



This preview shows how the XYZ color 45.7313, 71.7646, 44.6994 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 45.7313, 71.7646, 44.6994 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

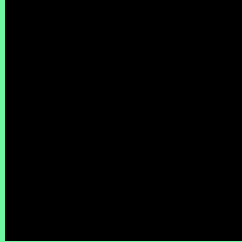
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 45.7313, 71.7646, 44.6994

## Background



This preview shows how black text looks on a background with the XYZ color 45.7313, 71.7646, 44.6994.



This preview shows how white text looks on a background with the XYZ color 45.7313, 71.7646,



# 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

45.7313, 71.7646, 44.6994

### Protanopia

65.6019, 70.8057, 38.2262

### Deuteranopia

71.6373, 70.2935, 48.3204



## Tritanopia

57.5913, 71.7428, 103.7409

# Trichromacy



## Original Color

45.7313, 71.7646, 44.6994



## Protanomaly

55.1727, 69.3820, 40.1899



## Deuteranomaly

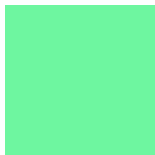
57.7198, 68.1219, 46.6659



## Tritanomaly

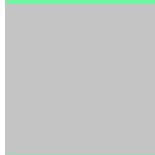
52.4051, 71.3595, 78.0296

# Monochromacy



## Original Color

45.7313, 71.7646, 44.6994



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

48.1109, 59.5114, 53.7509

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.7313, 71.7646, 44.6994 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, 246, 160)` looks like.

```
.text, #text, p{  
    color:rgb(110, 246, 160)  
}
```

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, 246, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 246, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 45.7313, 71.7646, 44.6994 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, 246, 160) }
```



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

```
.border{ border-color:rgb(110, 246, 160) }
```

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

Here you see how a box with a 4 pixel rgb(110, 246, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 246, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 246, 160);  
box-shadow:4px 4px 4px 4px rgb(110, 246,  
160) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.7313, 71.7646, 44.6994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 246, 160) }
```

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

```
.background{ background-color: rgb(110,  
246, 160) }
```

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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