

Converting Colors

XYZ(34.6207, 45.5999, 5.3337)

Have a look what the booklet for
XYZ(34.6207, 45.5999, 5.3337)
contains.

XYZ(34.9930, 45.6966, 6.9760)	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(34.9930, 45.6966,
6.9760)**

Conversions

Conversions Part 1

Format	Color
Hex	A9BF00
RGB	169, 191, 0
RGB Percent	66%, 75%, 0%
CMY	0.3373, 0.2510, 0.9999
CMYK	0.12, 0.00, 1.00, 0.25
HSL	67°, 100%, 37%
HSV	67°, 100%, 75%
XYZ	34.9930, 45.6966, 6.9760
YIQ	162.6480, 48.1990, -64.0650

Conversions

Conversions Part 2

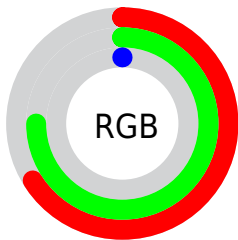
Format	Color
RYB	0, 191, 22
Decimal	11124480
CIELab	73.35, -26.76, 74.02
CIELCh	73, 78.710, 109.878
Yxy	45.6966, 0.3992, 0.5213
Android (android.graphics.Color)	4289314560 (0xFFA9BF00)
YUV	162.6480, -80.1855, 5.5707
Hunter-Lab	67.5993, -25.8975, 41.2010

Details

The XYZ color **34.9930, 45.6966, 6.9760** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.7362, 3.9331, 49.5390**, and the grayscale version is **34.9990, 36.8217, 40.0988**.

A 20% lighter version of the original color is **66.7409, 83.6096, 20.4052**, and **15.7706, 21.6217, 3.3422** is the 20% darker color. If you saturate the color by 10%, you get **34.9934, 45.6984, 6.9763**, and if you desaturate by 10%, it is **35.5887, 45.9916, 7.6231**.

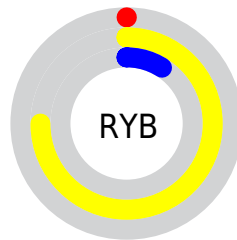
Distribution



Red (66%)

Green (75%)

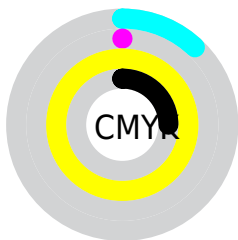
Blue (0%)



Red (0%)

Yellow (75%)

Blue (9%)

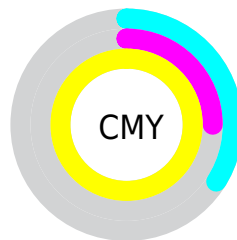


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (34%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9930, 45.6966, 6.9760 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 34.9930, 45.6966, 6.9760 by changing the saturation by 10% instead.


 34.9930, 45.6966,
6.9760


 34.9930, 45.6966,
6.9760


316.0460,
369.5875, 177.0875

 23.8240, 32.0065,
3.3689

 66.8090, 83.7648,
20.4370

 15.3271, 21.3664,
1.2859


 88.1867, 108.9116,
31.1279

 9.1371, 13.3921,
0.0502


 113.6980,
138.6460, 45.0171

 4.8885, 7.6991,
0.0000

 143.7083,
173.3526, 62.5233

 2.2161, 3.9030,
0.0000

 178.5828,
213.4157, 84.0648

 0.7512, 1.6195,
0.0000

 218.6871,

 0.0000, 0.3707,

259.2196, 110.0604

0.0000

264.3863,
311.1487, 140.9284

■ 0.0000, 0.0000,
0.0000

■ 34.9930, 45.6966,
6.9760

■ 34.9930, 45.6966,
6.9760

■ 34.9934, 45.6984,
6.9763

■ 35.5887, 45.9916,
7.6231

■ 36.3077, 46.3351,
8.8825

■ 37.1930, 46.7461,
10.9758

■ 38.2659, 47.2330,
14.0149

■ 39.5444, 47.8032,
18.0943

■ 41.0444, 48.4628,
23.2974

■ 42.7800, 49.2177,
29.6988

■ 44.7643, 50.0729,
37.3669

■ 47.0093, 51.0334,
46.3649

Harmonies

Analogous

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



48.2833, 45.6966, 6.1086



34.9930, 45.6966, 6.9760



26.0864, 45.6966, 15.0146

Triad

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



34.9930, 45.6966, 6.9760



28.4333, 45.6966, 133.8288



75.2772, 45.6966, 64.3984

Complementary

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



34.9930, 45.6966, 6.9760



9.7362, 3.9331, 49.5390

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.



67.1450, 45.6966, 116.8613



34.9930, 45.6966, 6.9760



38.9194, 45.6966, 168.9320

Square

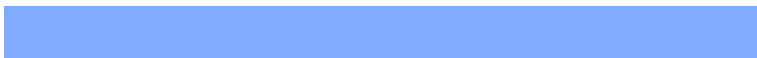
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



34.9930, 45.6966, 6.9760



22.8947, 45.6966, 80.4547



53.1320, 45.6966, 161.4608



73.5984, 45.6966, 28.0676

Rectangle

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



34.9930, 45.6966, 6.9760



22.9200, 45.6966, 27.8604



53.1320, 45.6966, 161.4608



73.5435, 45.6966, 80.8746

Sweetspot

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



34.9940, 45.6987, 6.9770



76.4539, 88.0745, 52.5793



21.7221, 11.5468, 1.0845



16.4875, 19.2097, 10.4221



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.9940, 45.6987, 6.9770



62.5363, 81.7726, 12.4877



21.6455, 38.8173, 6.3522



10.2111, 11.0632, 10.1739



23.0395, 30.0532, 4.5865



0.9336, 1.1932, 0.1811

Inverse Universe

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



9.7362, 3.9331, 49.5390



17.3353, 6.9910, 88.7149



16.4239, 7.3808, 49.8520



9.1159, 9.2766, 11.9823



6.4337, 2.6028, 32.5562



0.2862, 0.1196, 1.2769

Previews

White Background



This preview shows how the XYZ color 34.9930, 45.6966, 6.9760 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 34.9930, 45.6966, 6.9760 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 34.9930, 45.6966, 6.9760

Background



This preview shows how black text looks on a background with the XYZ color 34.9930, 45.6966, 6.9760.



This preview shows how white text looks on a background with the XYZ color 34.9930, 45.6966,

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

34.9930, 45.6966, 6.9760

Protanopia

40.9499, 45.3390, 6.5930

Deuteranopia

46.5022, 45.5610, 7.7097



Tritanopia

44.9633, 45.7138, 56.3230

Trichromacy



Original Color

34.9930, 45.6966, 6.9760

Protanomaly

38.6263, 45.3573, 6.7190

Deuteranomaly

41.5003, 45.0131, 7.1629

Tritanomaly

38.8064, 44.7371, 25.0022

Monochromacy



Original Color

34.9930, 45.6966, 6.9760

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

32.9593, 38.8859, 18.8653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9930, 45.6966, 6.9760 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(169, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(169, 191, 0)  
}
```

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(169, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.9930, 45.6966, 6.9760 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(169, 191, 0) }
```


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

```
.border{ border-color:rgb(169, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(169, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(169, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9930, 45.6966, 6.9760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 191, 0) }
```

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

```
.background{ background-color: rgb(169,  
191, 0) }
```

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