

Converting Colors

XYZ(33.7090, 44.9650, 6.9025)

Have a look what the booklet for
XYZ(33.7090, 44.9650, 6.9025)
contains.

XYZ(33.7351, 45.0481, 6.9171)	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(33.7351, 45.0481,
6.9171)**

Conversions

Conversions Part 1

Format	Color
Hex	A3BF00
RGB	163, 191, 0
RGB Percent	64%, 75%, 0%
CMY	0.3608, 0.2510, 0.9999
CMYK	0.15, 0.00, 1.00, 0.25
HSL	69°, 100%, 37%
HSV	69°, 100%, 75%
XYZ	33.7351, 45.0481, 6.9171
YIQ	160.8540, 44.6230, -65.3370

Conversions

Conversions Part 2

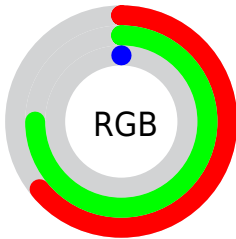
Format	Color
RYB	0, 191, 28
Decimal	10731264
CIELab	72.92, -29.28, 73.51
CIELCh	73, 79.130, 111.717
Yxy	45.0481, 0.3936, 0.5256
Android (android.graphics.Color)	4288921344 (0xFFA3BF00)
YUV	160.8540, -79.3010, 1.8820
Hunter-Lab	67.1179, -27.7378, 40.8722

Details

The XYZ color **33.7351, 45.0481, 6.9171** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **9.8843, 4.0094, 49.5458**, and the grayscale version is **34.1528, 35.9314, 39.1293**.

A 20% lighter version of the original color is **64.8702, 82.6452, 20.3177**, and **15.0323, 21.2411, 3.3077** is the 20% darker color. If you saturate the color by 10%, you get **33.7354, 45.0498, 6.9174**, and if you desaturate by 10%, it is **34.4345, 45.3965, 7.5690**.

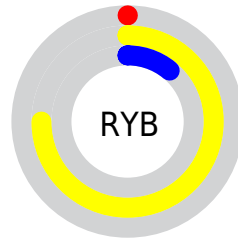
Distribution



Red (64%)

Green (75%)

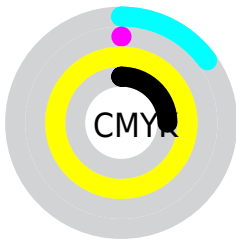
Blue (0%)



Red (0%)

Yellow (75%)

Blue (11%)

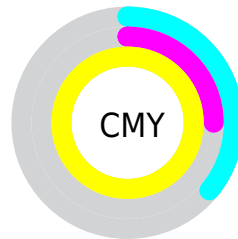


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (36%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7351, 45.0481, 6.9171 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 33.7351, 45.0481, 6.9171 by changing the saturation by 10% instead.

■ 33.7351, 45.0481,
6.9171

■ 33.7351, 45.0481,
6.9171

310.5560,
366.9683, 176.5778

■ 22.8521, 31.4953,
3.3326

■ 64.8685, 82.7926,
20.3163

■ 14.6044, 20.9763,
1.2669

■ 85.8497, 107.7531,
30.9681

■ 8.6267, 13.1067,
0.0344

■ 110.9276,
137.2849, 44.8127

■ 4.5537, 7.5021,
0.0000

■ 140.4676,
171.7725, 62.2688

■ 2.0199, 3.7780,
0.0000

■ 174.8351,
211.6003, 83.7548

■ 0.6451, 1.5502,
0.0000

■ 214.3955,

■ 0.0000, 0.3237,

257.1526, 109.6892

0.0000

259.5140,
308.8138, 140.4907

■ 0.0000, 0.0000,
0.0000

■ 33.7351, 45.0481,
6.9171

■ 33.7351, 45.0481,
6.9171

■ 33.7354, 45.0498,
6.9174

■ 34.4345, 45.3965,
7.5690

■ 35.2620, 45.7960,
8.8335

■ 36.2607, 46.2654,
10.9320

■ 37.4518, 46.8133,
13.9766

■ 38.8535, 47.4469,
18.0617

■ 40.4815, 48.1726,
23.2707

■ 42.3502, 48.9960,
29.6783

■ 44.4727, 49.9225,
37.3527

■ 46.8609, 50.9569,
46.3574

Harmonies

Analogous

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



46.7521, 45.0481, 5.7447



33.7351, 45.0481, 6.9171



25.1921, 45.0481, 15.4389

Triad

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



33.7351, 45.0481, 6.9171



28.3992, 45.0481, 136.0781



74.7848, 45.0481, 60.8251

Complementary

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



33.7351, 45.0481, 6.9171



9.8843, 4.0094, 49.5458

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.



67.1881, 45.0481, 112.7523



33.7351, 45.0481, 6.9171



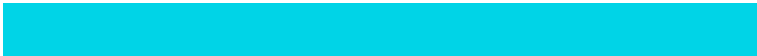
39.1089, 45.0481, 169.1231

Square

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



33.7351, 45.0481, 6.9171



22.6036, 45.0481, 82.8595



53.3977, 45.0481, 158.8446



72.4804, 45.0481, 25.9732

Rectangle

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



33.7351, 45.0481, 6.9171



22.2505, 45.0481, 28.8734



53.3977, 45.0481, 158.8446



73.2550, 45.0481, 76.9416

Sweetspot

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



33.7361, 45.0502, 6.9180



75.6728, 87.6718, 52.5427



21.8452, 11.7932, 1.1255



16.2935, 19.1097, 10.4130



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.



33.7361, 45.0502, 6.9180



60.2548, 80.5965, 12.3809



21.1611, 38.5675, 6.3295



10.1810, 11.0477, 10.1725



22.2223, 29.6319, 4.5483



0.9085, 1.1803, 0.1799

Inverse Universe

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



9.8843, 4.0094, 49.5458



17.5796, 7.1170, 88.7263



17.2866, 7.8255, 49.8922



9.1432, 9.2907, 11.9836



6.5377, 2.6564, 32.5611



0.2982, 0.1258, 1.2774

Previews

White Background



This preview shows how the XYZ color 33.7351, 45.0481, 6.9171 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 33.7351, 45.0481, 6.9171 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 33.7351, 45.0481, 6.9171

Background



This preview shows how black text looks on a background with the XYZ color 33.7351, 45.0481, 6.9171.



This preview shows how white text looks on a background with the XYZ color 33.7351, 45.0481,

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

33.7351, 45.0481, 6.9171

Protanopia

40.4772, 44.7968, 6.5133

Deuteranopia

45.5138, 44.4933, 7.6281



Tritanopia

43.7949, 45.1115, 56.2683

Trichromacy



Original Color

33.7351, 45.0481, 6.9171

Protanomaly

37.6725, 44.5583, 6.6151

Deuteranomaly

40.2146, 44.0550, 7.0934

Tritanomaly

37.6799, 44.1563, 24.9494

Monochromacy



Original Color

33.7351, 45.0481, 6.9171

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.0511, 38.1457, 18.2440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7351, 45.0481, 6.9171 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(163, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.7351, 45.0481, 6.9171 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(163, 191, 0) }
```


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

```
.border{ border-color:rgb(163, 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(163, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7351, 45.0481, 6.9171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 191, 0) }
```

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

```
.background{ background-color: rgb(163,  
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