

Converting Colors

XYZ(34.9110, 45.3161, 7.6163)

Have a look what the booklet for
XYZ(34.9110, 45.3161, 7.6163)
contains.

XYZ(34.9110, 45.3161, 7.6163)	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(34.9110, 45.3161,
7.6163)**

Conversions

Conversions Part 1

Format	Color
Hex	A9BE15
RGB	169, 190, 21
RGB Percent	66%, 75%, 8%
CMY	0.3373, 0.2549, 0.9176
CMYK	0.11, 0.00, 0.89, 0.25
HSL	67°, 80%, 41%
HSV	67°, 89%, 75%
XYZ	34.9110, 45.3161, 7.6163
YIQ	164.4550, 41.7330, -57.0110

Conversions

Conversions Part 2

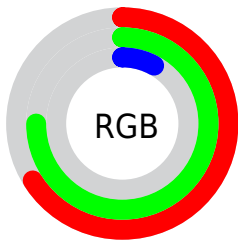
Format	Color
R _Y B	21, 190, 42
Decimal	11124245
CIE Lab	73.10, -25.97, 71.21
CIE LCh	73, 75.802, 110.037
Yxy	45.3161, 0.3974, 0.5159
Android (android.graphics.Color)	4289314325 (0xFFA9BE15)
YUV	164.4550, -70.7233, 3.9860
Hunter-Lab	67.3172, -25.2343, 40.4140

Details

The XYZ color **34.9110, 45.3161, 7.6163** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **10.5187, 4.7473, 49.0799**, and the grayscale version is **35.8184, 37.6837, 41.0376**.

A 20% lighter version of the original color is **66.7121, 83.1101, 21.7583**, and **15.6278, 21.3361, 3.2946** is the 20% darker color. If you saturate the color by 10%, you get **34.2854, 45.0095, 6.9384**, and if you desaturate by 10%, it is **35.6711, 45.6809, 8.9458**.

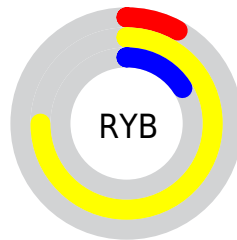
Distribution



Red (66%)

Green (75%)

Blue (8%)



Red (8%)

Yellow (75%)

Blue (16%)

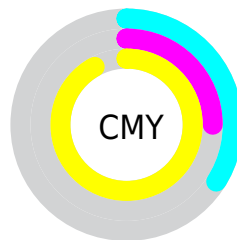


Cyan (11%)

Magenta (0%)

Yellow (89%)

Black (25%)



Cyan (34%)

Magenta (25%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9110, 45.3161, 7.6163 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 34.9110, 45.3161, 7.6163 by changing the saturation by 10% instead.

■ 34.9110, 45.3161,
7.6163

■ 34.9110, 45.3161,
7.6163

315.6902,
368.0523, 182.5115

■ 23.7605, 31.7065,
3.7662

■ 66.6828, 83.1946,
21.7363

■ 15.2798, 21.1374,
1.4980

■ 88.0348, 108.2322,
32.8434

■ 9.1036, 13.2245,
0.2164

■ 113.5181,
137.8479, 47.2064

■ 4.8665, 7.5833,
0.0000

■ 143.4979,
172.4262, 65.2441

■ 2.2031, 3.8295,
0.0000

■ 178.3397,
212.3513, 87.3749

■ 0.7444, 1.5786,
0.0000

■ 218.4088,

■ 0.0000, 0.3431,

258.0078, 114.0174

0.0000

264.0705,
309.7800, 145.5900

■ 0.0000, 0.0000,
0.0000

■ 34.9110, 45.3161,
7.6163

■ 34.9110, 45.3161,
7.6163

■ 34.2854, 45.0095,
6.9384

■ 35.6711, 45.6809,
8.9458

■ 34.2218, 44.9780,
6.8779

■ 36.5981, 46.1118,
11.1109

■ 37.7137, 46.6193,
14.2208

■ 39.0355, 47.2102,
18.3676

■ 40.5788, 47.8909,
23.6323

■ 42.3575, 48.6668,
30.0881

■ 44.3845, 49.5431,
37.8018

■ 46.6716, 50.5246,
46.8353

■ 49.2296, 51.6155,
57.2465

Harmonies

Analogous

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



47.6366, 45.3161, 6.7005



34.9110, 45.3161, 7.6163



26.3320, 45.3161, 15.7253

Triad

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



34.9110, 45.3161, 7.6163



28.6795, 45.3161, 129.1663



73.3904, 45.3161, 63.0885

Complementary

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



34.9110, 45.3161, 7.6163



10.5187, 4.7473, 49.0799

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.



65.7255, 45.3161, 112.6951



34.9110, 45.3161, 7.6163



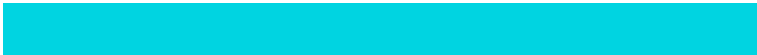
38.8080, 45.3161, 161.9076

Square

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



34.9110, 45.3161, 7.6163



23.2797, 45.3161, 78.8364



52.4140, 45.3161, 154.6878



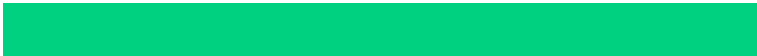
71.7493, 45.3161, 28.3085

Rectangle

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



34.9110, 45.3161, 7.6163



23.2723, 45.3161, 28.3693



52.4140, 45.3161, 154.6878



71.7651, 45.3161, 78.7162

Sweetspot

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



34.9120, 45.3182, 7.6172



77.2770, 88.4134, 56.4752



22.1554, 12.5690, 1.9684



16.7086, 19.3016, 11.4322



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.



34.9120, 45.3182, 7.6172



61.8659, 81.4270, 12.4563



22.3686, 38.8518, 7.0302



10.2024, 11.0587, 10.1735



22.7995, 29.9295, 4.5753



0.9262, 1.1895, 0.1808

Inverse Universe

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



10.5187, 4.7473, 49.0799



17.4000, 7.0244, 88.7179



18.0534, 8.6315, 49.4326



9.1238, 9.2807, 11.9827



6.4616, 2.6172, 32.5575



0.2897, 0.1214, 1.2770

Previews

White Background



This preview shows how the XYZ color 34.9110, 45.3161, 7.6163 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 34.9110, 45.3161, 7.6163 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 34.9110, 45.3161, 7.6163

Background



This preview shows how black text looks on a background with the XYZ color 34.9110, 45.3161, 7.6163.



This preview shows how white text looks on a background with the XYZ color 34.9110, 45.3161,

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

34.9110, 45.3161, 7.6163

Protanopia

40.7796, 45.2395, 7.1131

Deuteranopia

46.0727, 45.0518, 8.0178



Tritanopia

44.6545, 45.2731, 55.6753

Trichromacy



Original Color

34.9110, 45.3161, 7.6163

Protanomaly

38.4849, 45.2718, 7.2822

Deuteranomaly

41.1463, 44.5223, 7.7214

Tritanomaly

39.0505, 44.5059, 27.3012

Monochromacy



Original Color

34.9110, 45.3161, 7.6163

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.5941, 39.1640, 21.1180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9110, 45.3161, 7.6163 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, 190, 21)` looks like.

```
.text, #text, p{  
    color:rgb(169, 190, 21)  
}
```

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, 190, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 190, 21) }
```

Border

The CSS property to change the border of an element to XYZ 34.9110, 45.3161, 7.6163 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, 190, 21) }
```


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

```
.border{ border-color:rgb(169, 190, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 190, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 190, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 190, 21);  
box-shadow:4px 4px 4px 4px rgb(169, 190,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9110, 45.3161, 7.6163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 190, 21) }
```

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

```
.background{ background-color: rgb(169,  
190, 21) }
```

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