

Converting Colors

XYZ(34.9941, 44.1544, 6.6783)

Have a look what the booklet for
XYZ(34.9941, 44.1544, 6.6783)
contains.

XYZ(35.0145, 44.1165, 6.6699)	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(35.0145, 44.1165,
6.6699)**

Conversions

Conversions Part 1

Format	Color
Hex	AEBA00
RGB	174, 186, 0
RGB Percent	68%, 73%, 0%
CMY	0.3176, 0.2706, 0.9999
CMYK	0.06, 0.00, 1.00, 0.27
HSL	64°, 100%, 36%
HSV	64°, 100%, 73%
XYZ	35.0145, 44.1165, 6.6699
YIQ	161.2080, 52.5540, -60.3900

Conversions

Conversions Part 2

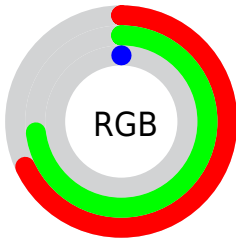
Format	Color
RYB	0, 186, 12
Decimal	11450880
CIELab	72.31, -22.20, 73.41
CIELCh	72, 76.695, 106.825
Yxy	44.1165, 0.4081, 0.5142
Android (android.graphics.Color)	4289640960 (0xFFFAEBA00)
YUV	161.2080, -79.4755, 11.2186
Hunter-Lab	66.4203, -22.1363, 40.5403

Details

The XYZ color **35.0145, 44.1165, 6.6699** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.0157, 3.6242, 46.6815**, and the grayscale version is **34.3165, 36.1036, 39.3168**.

A 20% lighter version of the original color is **66.8044, 81.4071, 19.7816**, and **15.7236, 20.5570, 3.1392** is the 20% darker color. If you saturate the color by 10%, you get **35.0151, 44.1183, 6.6702**, and if you desaturate by 10%, it is **35.3984, 44.3028, 7.2849**.

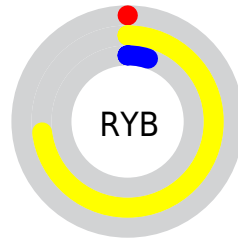
Distribution



Red (68%)

Green (73%)

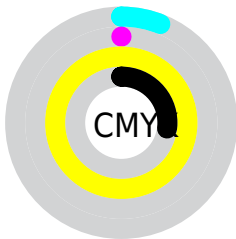
Blue (0%)



Red (0%)

Yellow (73%)

Blue (5%)

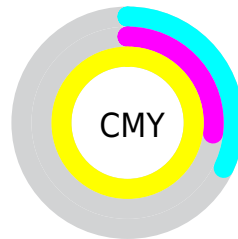


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (32%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0145, 44.1165, 6.6699 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 35.0145, 44.1165, 6.6699 by changing the saturation by 10% instead.


 35.0145, 44.1165,
6.6699


 35.0145, 44.1165,
6.6699


316.1392,
363.1835, 174.4175


 23.8406, 30.7621,
3.1812


 66.8421, 81.3930,
19.8074


 15.3395, 20.4178,
1.1879


 88.2265, 106.0839,
30.2934

 9.1459, 12.6991,
0.0000


 113.7452,
135.3225, 43.9488

 4.8943, 7.2217,
0.0000

 143.7634,
169.4930, 61.1923

 2.2195, 3.6011,
0.0000

 178.6466,
208.9800, 82.4423

 0.7530, 1.4530,
0.0000

 218.7600,

 0.0000, 0.2553,

254.1678, 108.1175

0.0000

264.4691,
305.4409, 138.6364

■ 0.0000, 0.0000,
0.0000

■ 35.0145, 44.1165,
6.6699

■ 35.0145, 44.1165,
6.6699

■ 35.0151, 44.1183,
6.6702

■ 35.3984, 44.3028,
7.2849

■ 35.8926, 44.5318,
8.4723

■ 36.5382, 44.8216,
10.4443

■ 37.3550, 45.1802,
13.3053

■ 38.3598, 45.6142,
17.1439

■ 39.5675, 46.1297,
22.0381

■ 40.9913, 46.7320,
28.0577

■ 42.6434, 47.4258,
35.2669

■ 44.5351, 48.2158,
43.7249

Harmonies

Analogous

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



47.9781, 44.1165, 6.3542



35.0145, 44.1165, 6.6699



26.0301, 44.1165, 13.5188

Triad

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



35.0145, 44.1165, 6.6699



26.8695, 44.1165, 122.8018



71.7694, 44.1165, 66.5536

Complementary

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



35.0145, 44.1165, 6.6699



9.0157, 3.6242, 46.6815

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.



63.2650, 44.1165, 116.7910



35.0145, 44.1165, 6.6699



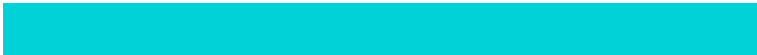
36.4154, 44.1165, 159.0503

Square

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



35.0145, 44.1165, 6.6699



22.0482, 44.1165, 72.2588



49.7041, 44.1165, 156.4071



71.1733, 44.1165, 29.9389

Rectangle

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



35.0145, 44.1165, 6.6699



22.6797, 44.1165, 24.7566



49.7041, 44.1165, 156.4071



69.8155, 44.1165, 82.6409

Sweetspot

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



35.0155, 44.1185, 6.6708



74.1541, 84.6403, 50.2486



20.3522, 10.6421, 0.9820



16.0802, 18.5338, 10.0009



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



35.0155, 44.1185, 6.6708



63.3831, 79.9212, 12.0857



21.1906, 36.9916, 6.0238



9.6914, 10.4731, 9.6176



23.5801, 29.6923, 4.4884



0.8486, 1.0557, 0.1590

Inverse Universe

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



9.0157, 3.6242, 46.6815



16.2721, 6.5328, 84.6047



14.3786, 6.3889, 46.9325



8.5734, 8.7464, 11.3158



6.0884, 2.4499, 31.4051



0.2329, 0.0958, 1.1080

Previews

White Background



This preview shows how the XYZ color 35.0145, 44.1165, 6.6699 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 35.0145, 44.1165, 6.6699 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 35.0145, 44.1165, 6.6699

Background



This preview shows how black text looks on a background with the XYZ color 35.0145, 44.1165, 6.6699.



This preview shows how white text looks on a background with the XYZ color 35.0145, 44.1165,

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

35.0145, 44.1165, 6.6699

Protanopia

39.7398, 44.1201, 6.4215

Deuteranopia

44.6684, 43.7870, 7.3257



Tritanopia

44.3000, 43.9971, 52.6118

Trichromacy



Original Color

35.0145, 44.1165, 6.6699

Protanomaly

38.0097, 44.1241, 6.5135

Deuteranomaly

40.6244, 43.6861, 6.9072

Tritanomaly

38.4818, 43.0939, 23.4293

Monochromacy



Original Color

35.0145, 44.1165, 6.6699

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.4989, 37.8158, 18.1567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0145, 44.1165, 6.6699 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(174, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(174, 186, 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(174, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 186, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.0145, 44.1165, 6.6699 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(174, 186, 0) }
```


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

```
.border{ border-color:rgb(174, 186, 0) }
```

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

Here you see how a box with a 4 pixel rgb(174, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(174, 186,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0145, 44.1165, 6.6699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 186, 0) }
```

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

```
.background{ background-color: rgb(174,  
186, 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