

Converting Colors

XYZ(33.5768, 40.6284, 6.9921)

Have a look what the booklet for
XYZ(33.5768, 40.6284, 6.9921)
contains.

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Color

**XYZ(33.5768, 40.6284,
6.9921)**

Conversions

Conversions Part 1

Format	Color
Hex	AFB119
RGB	175, 177, 25
RGB Percent	69%, 69%, 10%
CMY	0.3137, 0.3059, 0.9019
CMYK	0.01, 0.00, 0.86, 0.31
HSL	61°, 75%, 40%
HSV	61°, 86%, 69%
XYZ	33.5768, 40.6284, 6.9921
YIQ	159.0740, 47.6000, -47.6960

Conversions

Conversions Part 2

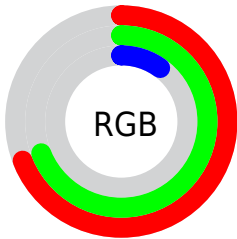
Format	Color
RYB	25, 177, 27
Decimal	11514137
CIELab	69.91, -16.87, 68.04
CIELCh	70, 70.098, 103.922
Yxy	40.6284, 0.4135, 0.5004
Android (android.graphics.Color)	4289704217 (0xFFAFB119)
YUV	159.0740, -66.0985, 13.9671
Hunter-Lab	63.7404, -17.5165, 38.1144

Details

The XYZ color **33.5768, 40.6284, 6.9921** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.7365, 4.1034, 41.9290**, and the grayscale version is **33.2676, 35.0001, 38.1151**.

A 20% lighter version of the original color is **64.5497, 75.9102, 20.4825**, and **14.8048, 18.5188, 2.7942** is the 20% darker color. If you saturate the color by 10%, you get **33.3898, 40.5491, 6.2768**, and if you desaturate by 10%, it is **33.8854, 40.7594, 8.3391**.

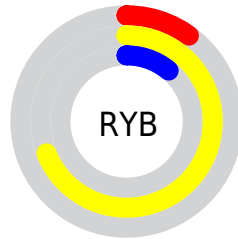
Distribution



Red (69%)

Green (69%)

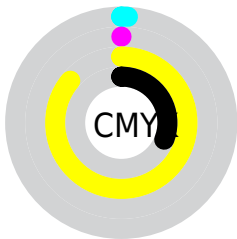
Blue (10%)



Red (10%)

Yellow (69%)

Blue (11%)

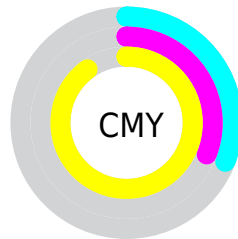


Cyan (1%)

Magenta (0%)

Yellow (86%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5768, 40.6284, 6.9921 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 33.5768, 40.6284, 6.9921 by changing the saturation by 10% instead.

■ 33.5768, 40.6284,
6.9921

■ 33.5768, 40.6284,
6.9921

309.8601,
348.7651, 177.2265

■ 22.7300, 28.0288,
3.3788

■ 64.6237, 76.1195,
20.4699

■ 14.5139, 18.3474,
1.2911

■ 85.5545, 99.7798,
31.1715

■ 8.5630, 11.1997,
0.0545

■ 110.5774,
127.8958, 45.0729

■ 4.5121, 6.2013,
0.0000

■ 140.0577,
160.8519, 62.5927

■ 1.9957, 2.9679,
0.0000

■ 174.3607,
199.0325, 84.1494

■ 0.6316, 1.1150,
0.0000

■ 213.8519,

■ 0.0000, 0.0000,

242.8219, 110.1616

0.0000

258.8966,
292.6047, 141.0478

■ 33.5768, 40.6284,
6.9921

■ 33.5768, 40.6284,
6.9921

■ 33.3898, 40.5491,
6.2768

■ 33.8854, 40.7594,
8.3391

■ 33.3282, 40.5219,
6.0649

■ 34.3337, 40.9448,
10.4256

■ 34.9389, 41.1930,
13.3381

■ 35.7152, 41.5096,
17.1506

■ 36.6749, 41.8996,
21.9287

■ 37.8295, 42.3675,
27.7322

■ 39.1892, 42.9175,
34.6157

■ 40.7638, 43.5535,
42.6302

■ 42.5623, 44.2790,
51.8234

Harmonies

Analogous

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



45.0133, 40.6284, 7.1725



33.5768, 40.6284, 6.9921



25.3146, 40.6284, 12.6686

Triad

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



33.5768, 40.6284, 6.9921



24.8767, 40.6284, 103.6669



63.7519, 40.6284, 64.0099

Complementary

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



33.5768, 40.6284, 6.9921



8.7365, 4.1034, 41.9290

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.



55.9122, 40.6284, 106.6442



33.5768, 40.6284, 6.9921



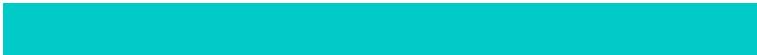
32.8556, 40.6284, 136.1820

Square

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



33.5768, 40.6284, 6.9921



21.0025, 40.6284, 61.1328



44.1359, 40.6284, 137.4810



64.0508, 40.6284, 30.7827

Rectangle

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



33.5768, 40.6284, 6.9921



22.0788, 40.6284, 21.9744



44.1359, 40.6284, 137.4810



61.8508, 40.6284, 77.9869

Sweetspot

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



33.5777, 40.6303, 6.9929



67.6190, 75.8224, 49.0172



18.6560, 10.1136, 1.8891



14.4960, 16.3679, 9.8264



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.5777, 40.6303, 6.9929



59.6701, 72.5609, 10.8607



21.2663, 34.2835, 6.4168



9.1858, 9.9008, 9.0794



24.1503, 29.3600, 4.3942



0.7634, 0.9256, 0.1384

Inverse Universe

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



8.7365, 4.1034, 41.9290



14.2507, 5.7047, 74.8453



13.6517, 6.6373, 42.1591



8.0520, 8.2353, 10.6715



5.7750, 2.3129, 30.2791



0.1851, 0.0745, 0.9529

Previews

White Background



This preview shows how the XYZ color 33.5768, 40.6284, 6.9921 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 33.5768, 40.6284, 6.9921 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 33.5768, 40.6284, 6.9921

Background



This preview shows how black text looks on a background with the XYZ color 33.5768, 40.6284, 6.9921.



This preview shows how white text looks on a background with the XYZ color 33.5768, 40.6284,

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

33.5768, 40.6284, 6.9921

Protanopia

36.4558, 40.3941, 6.6860

Deuteranopia

41.2631, 40.4151, 7.2952



Tritanopia

41.9845, 40.6894, 47.7605

Trichromacy



Original Color

33.5768, 40.6284, 6.9921

Protanomaly

35.3581, 40.3922, 6.7971

Deuteranomaly

37.8988, 40.0211, 7.0939

Tritanomaly

37.2293, 39.8484, 24.1417

Monochromacy



Original Color

33.5768, 40.6284, 6.9921

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.9677, 36.3976, 20.0924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5768, 40.6284, 6.9921 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(175, 177, 25)` looks like.

```
.text, #text, p{  
    color:rgb(175, 177, 25)  
}
```

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(175, 177, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 177, 25) }
```

Border

The CSS property to change the border of an element to XYZ 33.5768, 40.6284, 6.9921 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(175, 177, 25) }
```


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

```
.border{ border-color:rgb(175, 177, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 177, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 177, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 177, 25);  
box-shadow:4px 4px 4px 4px rgb(175, 177,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5768, 40.6284, 6.9921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 177, 25) }
```

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

```
.background{ background-color: rgb(175,  
177, 25) }
```

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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