

Converting Colors

XYZ(33.7375, 41.9008, 7.9975)

Have a look what the booklet for
XYZ(33.7375, 41.9008, 7.9975)
contains.

XYZ(33.6369, 41.8330, 7.9708)	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(33.6369, 41.8330,
7.9708)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB524
RGB	171, 181, 36
RGB Percent	67%, 71%, 14%
CMY	0.3294, 0.2902, 0.8588
CMYK	0.06, 0.00, 0.80, 0.29
HSL	64°, 67%, 43%
HSV	64°, 80%, 71%
XYZ	33.6369, 41.8330, 7.9708
YIQ	161.4800, 40.5850, -47.2150

Conversions

Conversions Part 2

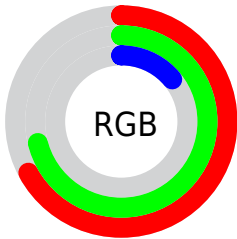
Format	Color
RYB	36, 181, 46
Decimal	11253028
CIELab	70.76, -20.28, 65.91
CIELCh	71, 68.963, 107.101
Yxy	41.8330, 0.4031, 0.5014
Android (android.graphics.Color)	4289443108 (0xFFABB524)
YUV	161.4800, -61.8616, 8.3490
Hunter-Lab	64.6784, -20.3559, 37.9682

Details

The XYZ color **33.6369, 41.8330, 7.9708** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **10.0993, 5.1797, 44.1860**, and the grayscale version is **34.3672, 36.1570, 39.3749**.

A 20% lighter version of the original color is **64.6628, 78.0526, 22.4840**, and **14.7894, 19.0832, 2.9039** is the 20% darker color. If you saturate the color by 10%, you get **33.1569, 41.6113, 6.8525**, and if you desaturate by 10%, it is **34.2611, 42.1158, 9.8267**.

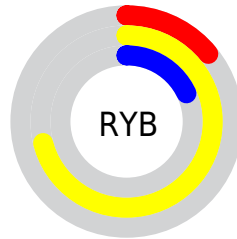
Distribution



Red (67%)

Green (71%)

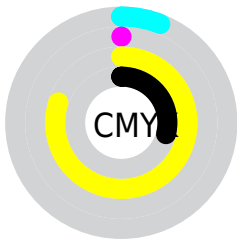
Blue (14%)



Red (14%)

Yellow (71%)

Blue (18%)

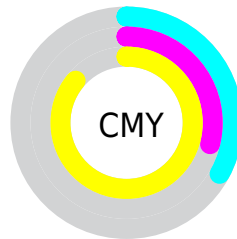


Cyan (6%)

Magenta (0%)

Yellow (80%)

Black (29%)



Cyan (33%)


Magenta (29%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6369, 41.8330, 7.9708 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 33.6369, 41.8330, 7.9708 by changing the saturation by 10% instead.


 33.6369, 41.8330,
7.9708


 33.6369, 41.8330,
7.9708


310.1244,
353.7902, 185.4288


 22.7764, 28.9705,
3.9888


 64.7167, 77.9468,
22.4464


 14.5482, 19.0585,
1.6192


 85.6666, 101.9670,
33.7771

 8.5872, 11.7126,
0.3045


 110.7104,
130.4751, 48.3943

 4.5279, 6.5483,
0.0000

 140.2134,
163.8557, 66.7168

 2.0049, 3.1812,
0.0000

 174.5409,
202.4931, 89.1629

 0.6367, 1.2271,
0.0000

 214.0584,

 0.0000, 0.0837,

246.7718, 116.1512

0.0000

259.1311,
297.0760, 148.1004

■ 0.0000, 0.0000,
0.0000

■ 33.6369, 41.8330,
7.9708

■ 33.6369, 41.8330,
7.9708

■ 33.1569, 41.6113,
6.8525

■ 34.2611, 42.1158,
9.8267

■ 32.7832, 41.4311,
6.2691

■ 35.0451, 42.4613,
12.5153

■ 36.0058, 42.8777,
16.1203

■ 37.1569, 43.3706,
20.7147

■ 38.5108, 43.9450,
26.3639

■ 40.0791, 44.6054,
33.1278

■ 41.8722, 45.3560,
41.0620

■ 43.8999, 46.2008,
50.2181

■ 46.1715, 47.1434,
60.6448

Harmonies

Analogous

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



44.8767, 41.8330, 7.6026



33.6369, 41.8330, 7.9708



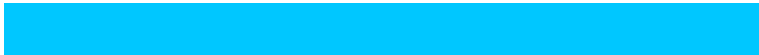
25.7254, 41.8330, 14.7149

Triad

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



33.6369, 41.8330, 7.9708



26.5879, 41.8330, 109.0420



65.2894, 41.8330, 61.1103

Complementary

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



33.6369, 41.8330, 7.9708



10.0993, 5.1797, 44.1860

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.



58.1507, 41.8330, 103.3012



33.6369, 41.8330, 7.9708



35.0496, 41.8330, 138.6925

Square

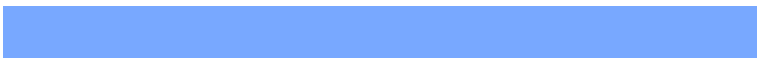
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.6369, 41.8330, 7.9708



22.2239, 41.8330, 66.6995



46.5867, 41.8330, 136.1963



64.7102, 41.8330, 29.4216

Rectangle

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



33.6369, 41.8330, 7.9708



22.7443, 41.8330, 25.1696



46.5867, 41.8330, 136.1963



63.6628, 41.8330, 74.7241

Sweetspot

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



33.6379, 41.8349, 7.9717



70.5226, 79.3557, 53.8757



20.3400, 11.8803, 2.8907



15.0326, 17.0632, 10.7422



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.6379, 41.8349, 7.9717



58.8768, 74.2778, 11.5034



21.9714, 35.8207, 7.4257



9.1380, 9.8762, 9.0772



22.6227, 28.5725, 4.3227



0.7290, 0.9079, 0.1368

Inverse Universe

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



10.0993, 5.1797, 44.1860



15.4385, 6.3845, 78.7132



16.4667, 8.4622, 44.4840



8.0945, 8.2572, 10.6735



5.8820, 2.3681, 30.2841



0.2029, 0.0837, 0.9537

Previews

White Background



This preview shows how the XYZ color 33.6369, 41.8330, 7.9708 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 33.6369, 41.8330, 7.9708 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 33.6369, 41.8330, 7.9708

Background



This preview shows how black text looks on a background with the XYZ color 33.6369, 41.8330, 7.9708.



This preview shows how white text looks on a background with the XYZ color 33.6369, 41.8330,

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

33.6369, 41.8330, 7.9708

Protanopia

37.7380, 41.6047, 7.5549

Deuteranopia

42.3644, 41.4921, 8.2586



Tritanopia

42.1599, 41.8206, 50.1061

Trichromacy



Original Color

33.6369, 41.8330, 7.9708

Protanomaly

36.0784, 41.6111, 7.7203

Deuteranomaly

38.6121, 41.1960, 8.1070

Tritanomaly

37.4964, 41.0558, 26.7172

Monochromacy



Original Color

33.6369, 41.8330, 7.9708

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.6721, 37.2656, 21.9940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6369, 41.8330, 7.9708 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(171, 181, 36)` looks like.

```
.text, #text, p{  
    color:rgb(171, 181, 36)  
}
```

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(171, 181, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 181, 36) }
```

Border

The CSS property to change the border of an element to XYZ 33.6369, 41.8330, 7.9708 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(171, 181, 36) }
```


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

```
.border{ border-color:rgb(171, 181, 36) }
```

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

Here you see how a box with a 4 pixel rgb(171, 181, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 181, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 181, 36);  
box-shadow:4px 4px 4px 4px rgb(171, 181,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6369, 41.8330, 7.9708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 181, 36) }
```

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

```
.background{ background-color: rgb(171,  
181, 36) }
```

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