

Converting Colors

XYZ(33.1371, 44.8209, 6.9048)

Have a look what the booklet for
XYZ(33.1371, 44.8209, 6.9048)
contains.

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Color

**XYZ(33.1280, 44.7352,
6.8887)**

Conversions

Conversions Part 1

Format	Color
Hex	A0BF00
RGB	160, 191, 0
RGB Percent	63%, 75%, 0%
CMY	0.3726, 0.2510, 0.9999
CMYK	0.16, 0.00, 1.00, 0.25
HSL	70°, 100%, 37%
HSV	70°, 100%, 75%
XYZ	33.1280, 44.7352, 6.8887
YIQ	159.9570, 42.8350, -65.9730

Conversions

Conversions Part 2

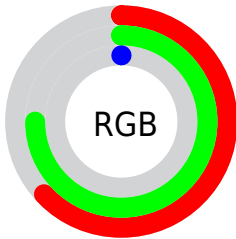
Format	Color
RYB	0, 191, 31
Decimal	10534656
CIELab	72.72, -30.53, 73.27
CIELCh	73, 79.372, 112.619
Yxy	44.7352, 0.3909, 0.5278
Android (android.graphics.Color)	4288724736 (0xFFA0BF00)
YUV	159.9570, -78.8588, 0.0377
Hunter-Lab	66.8844, -28.6362, 40.7125

Details

The XYZ color **33.1280, 44.7352, 6.8887** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **9.9705, 4.0539, 49.5499**, and the grayscale version is **33.7342, 35.4910, 38.6497**.

A 20% lighter version of the original color is **63.9594, 82.1757, 20.2751**, and **14.6820, 21.0605, 3.2913** is the 20% darker color. If you saturate the color by 10%, you get **33.1283, 44.7369, 6.8890**, and if you desaturate by 10%, it is **33.8752, 45.1082, 7.5428**.

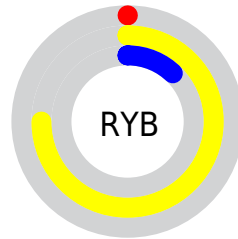
Distribution



Red (63%)

Green (75%)

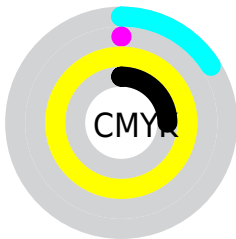
Blue (0%)



Red (0%)

Yellow (75%)

Blue (12%)

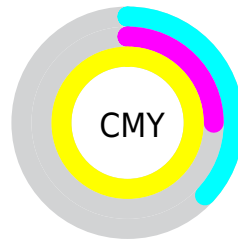


Cyan (16%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (37%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1280, 44.7352, 6.8887 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 33.1280, 44.7352, 6.8887 by changing the saturation by 10% instead.

■ 33.1280, 44.7352,
6.8887

■ 33.1280, 44.7352,
6.8887

307.8809,
365.7001, 176.3314

■ 22.3842, 31.2489,
3.3152

■ 63.9287, 82.3229,
20.2580

■ 14.2577, 20.7885,
1.2577

■ 84.7163, 107.1931,
30.8909

■ 8.3830, 12.9695,
0.0268

■ 109.5825,
136.6267, 44.7140

■ 4.3948, 7.4075,
0.0000

■ 138.8927,
171.0082, 62.1458

■ 1.9278, 3.7182,
0.0000

■ 173.0124,
210.7218, 83.6049

■ 0.5929, 1.5172,
0.0000

■ 212.3067,

■ 0.0000, 0.3008,

256.1521, 109.5098

0.0000

257.1411,
307.6834, 140.2791

■ 0.0000, 0.0000,
0.0000

■ 33.1280, 44.7352,
6.8887

■ 33.1280, 44.7352,
6.8887

■ 33.1283, 44.7369,
6.8890

■ 33.8752, 45.1082,
7.5428

■ 34.7533, 45.5338,
8.8097

■ 35.8054, 46.0307,
10.9107

■ 37.0529, 46.6077,
13.9579

■ 38.5137, 47.2718,
18.0458

■ 40.2038, 48.0295,
23.2577

■ 42.1375, 48.8864,
29.6683

■ 44.3279, 49.8480,
37.3460

■ 46.7871, 50.9189,
46.3539

Harmonies

Analogous

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



46.0124, 44.7352, 5.5705



33.1280, 44.7352, 6.8887



24.7602, 44.7352, 15.6535

Triad

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



33.1280, 44.7352, 6.8887



28.3857, 44.7352, 137.2200



74.5520, 44.7352, 59.1144

Complementary

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



33.1280, 44.7352, 6.8887



9.9705, 4.0539, 49.5499

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.



67.2186, 44.7352, 110.7702



33.1280, 44.7352, 6.8887



39.2079, 44.7352, 169.2421

Square

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



33.1280, 44.7352, 6.8887



22.4631, 44.7352, 84.0786



53.5367, 44.7352, 157.5828



71.9410, 44.7352, 24.9793

Rectangle

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



33.1280, 44.7352, 6.8887



21.9267, 44.7352, 29.3873



53.5367, 44.7352, 157.5828



73.1224, 44.7352, 75.0533

Sweetspot

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



33.1290, 44.7372, 6.8896



75.2859, 87.4724, 52.5246



21.9184, 11.9396, 1.1499



16.1975, 19.0602, 10.4085



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.



33.1290, 44.7372, 6.8896



59.1543, 80.0292, 12.3294



20.9374, 38.4522, 6.3191



10.1660, 11.0400, 10.1718



21.8275, 29.4284, 4.5298



0.8963, 1.1740, 0.1794

Inverse Universe

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



9.9705, 4.0539, 49.5499



17.7237, 7.1913, 88.7330



17.7400, 8.0593, 49.9135



9.1570, 9.2978, 11.9842



6.5977, 2.6873, 32.5639



0.3043, 0.1289, 1.2777

Previews

White Background



This preview shows how the XYZ color 33.1280, 44.7352, 6.8887 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 33.1280, 44.7352, 6.8887 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 33.1280, 44.7352, 6.8887

Background



This preview shows how black text looks on a background with the XYZ color 33.1280, 44.7352, 6.8887.



This preview shows how white text looks on a background with the XYZ color 33.1280, 44.7352,

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

33.1280, 44.7352, 6.8887

Protanopia

40.2075, 44.6577, 6.5006

Deuteranopia

45.2030, 44.3330, 7.6135



Tritanopia

43.1140, 44.7605, 56.2365

Trichromacy



Original Color

33.1280, 44.7352, 6.8887

Protanomaly

37.1832, 44.3061, 6.5922

Deuteranomaly

39.9449, 43.9159, 7.0808

Tritanomaly

37.0239, 43.8182, 24.9187

Monochromacy



Original Color

33.1280, 44.7352, 6.8887

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.4584, 37.5587, 18.1619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1280, 44.7352, 6.8887 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(160, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 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(160, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.1280, 44.7352, 6.8887 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(160, 191, 0) }
```


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

```
.border{ border-color:rgb(160, 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(160, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1280, 44.7352, 6.8887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 191, 0) }
```

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

```
.background{ background-color: rgb(160,  
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](#).

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