

Converting Colors

XYZ(33.2600, 43.4162, 11.7510)

Have a look what the booklet for
XYZ(33.2600, 43.4162, 11.7510)
contains.

XYZ(33.2509, 43.4076, 11.7802)	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(33.2509, 43.4076,
11.7802)**

Conversions

Conversions Part 1

Format	Color
Hex	A0BB42
RGB	160, 187, 66
RGB Percent	63%, 73%, 26%
CMY	0.3726, 0.2666, 0.7412
CMYK	0.14, 0.00, 0.65, 0.27
HSL	73°, 48%, 50%
HSV	73°, 65%, 73%
XYZ	33.2509, 43.4076, 11.7802
YIQ	165.1330, 22.7490, -43.3550

Conversions

Conversions Part 2

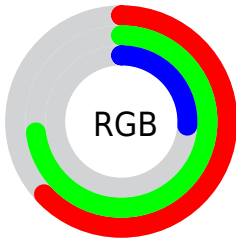
Format	Color
RYB	66, 187, 93
Decimal	10533698
CIELab	71.83, -26.27, 56.13
CIELCh	72, 61.975, 115.080
Yxy	43.4076, 0.3760, 0.4908
Android (android.graphics.Color)	4288723778 (0xFFA0BB42)
YUV	165.1330, -48.8726, -4.5016
Hunter-Lab	65.8844, -25.2115, 35.5180

Details

The XYZ color **33.2509, 43.4076, 11.7802** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **15.4336, 9.8125, 48.0969**, and the grayscale version is **36.0487, 37.9260, 41.3015**.

A 20% lighter version of the original color is **64.0560, 80.2090, 29.8751**, and **14.3508, 20.0535, 3.1143** is the 20% darker color. If you saturate the color by 10%, you get **31.9672, 42.8009, 9.2980**, and if you desaturate by 10%, it is **34.7449, 44.1048, 15.2146**.

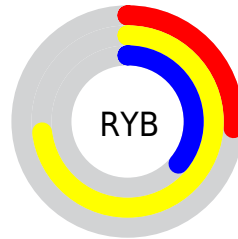
Distribution



Red (63%)

Green (73%)

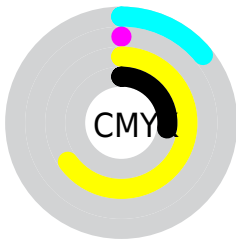
Blue (26%)



Red (26%)

Yellow (73%)

Blue (36%)

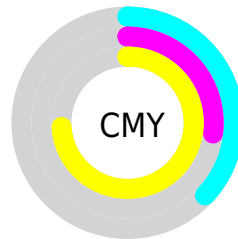


Cyan (14%)

Magenta (0%)

Yellow (65%)

Black (27%)



Cyan (37%)

Magenta (27%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2509, 43.4076, 11.7802 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 33.2509, 43.4076, 11.7802 by changing the saturation by 10% instead.

■ 33.2509, 43.4076,
11.7802

■ 33.2509, 43.4076,
11.7802

308.4238,
360.2853, 213.8707

■ 22.4789, 30.2051,
6.4735

■ 64.1191, 80.3256,
29.7525

■ 14.3278, 19.9943,
3.0617

■ 84.9460, 104.8098,
43.2552

■ 8.4322, 12.3909,
1.1262

■ 109.8552,
133.8234, 60.3270

■ 4.4268, 7.0105,
0.0000

■ 139.2121,
167.7507, 81.3863

■ 1.9463, 3.4687,
0.0000

■ 173.3821,
206.9762, 106.8519

■ 0.6036, 1.3810,
0.0000

212.7305,

■ 0.0000, 0.2027,

251.8842, 137.1421

0.0000

257.6226,
302.8591, 172.6755

■ 0.0000, 0.0000,
0.0000

■ 33.2509, 43.4076,
11.7802

■ 33.2509, 43.4076,
11.7802

■ 31.9672, 42.8009,
9.2980

■ 34.7449, 44.1048,
15.2146

■ 30.8721, 42.2713,
7.6688

■ 36.4622, 44.8930,
19.6821

■ 29.9443, 41.8117,
6.7766

■ 38.4184, 45.7800,
25.2580

■ 29.4958, 41.5868,
6.4725

■ 40.6264, 46.7711,
32.0099

■ 43.0983, 47.8712,
40.0000

■ 45.8454, 49.0847,
49.2861

■ 48.8782, 50.4158,
59.9224

■ 52.2067, 51.8687,
71.9599

■ 55.8402, 53.4471,
85.4471

Harmonies

Analogous

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



43.0198, 43.4076, 9.8182



33.2509, 43.4076, 11.7802



26.7738, 43.4076, 21.2202

Triad

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



33.2509, 43.4076, 11.7802



30.7119, 43.4076, 112.5985



64.9168, 43.4076, 52.4167

Complementary

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



33.2509, 43.4076, 11.7802



15.4336, 9.8125, 48.0969

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.



60.2017, 43.4076, 88.8707



33.2509, 43.4076, 11.7802



39.5443, 43.4076, 131.8580

Square

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



33.2509, 43.4076, 11.7802



25.4924, 43.4076, 76.3757



50.4564, 43.4076, 121.7106



62.4649, 43.4076, 26.6860

Rectangle

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



33.2509, 43.4076, 11.7802



24.6123, 43.4076, 33.8420



50.4564, 43.4076, 121.7106



64.0972, 43.4076, 63.8335

Sweetspot

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



33.2519, 43.4096, 11.7811



75.0872, 84.8009, 64.7681



25.3244, 18.6513, 7.4201



16.2583, 18.5511, 13.3719



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.



33.2519, 43.4096, 11.7811



56.3166, 76.2032, 15.1443



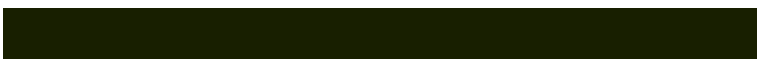
24.0421, 38.6617, 11.3501



10.1083, 11.0102, 10.1691



20.3859, 28.6852, 4.4623



0.8509, 1.1506, 0.1772

Inverse Universe

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



15.4336, 9.8125, 48.0969



22.1191, 11.4569, 85.2470



24.0028, 14.2301, 48.4979



9.2104, 9.3253, 11.9867



6.8830, 2.8344, 32.5772



0.3276, 0.1409, 1.2788

Previews

White Background



This preview shows how the XYZ color 33.2509, 43.4076, 11.7802 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 33.2509, 43.4076, 11.7802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

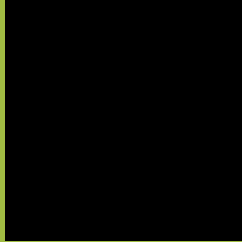
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2509, 43.4076, 11.7802

Background



This preview shows how black text looks on a background with the XYZ color 33.2509, 43.4076, 11.7802.



This preview shows how white text looks on a background with the XYZ color 33.2509, 43.4076,

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

33.2509, 43.4076, 11.7802

Protanopia

39.1875, 43.1453, 10.9651

Deuteranopia

43.9019, 43.0107, 12.1189



Tritanopia

41.7489, 43.2183, 54.2857

Trichromacy



Original Color

33.2509, 43.4076, 11.7802

Protanomaly

36.7751, 43.0800, 11.2275

Deuteranomaly

39.2675, 42.5846, 11.9444

Tritanomaly

37.3026, 42.5786, 32.6380

Monochromacy



Original Color

33.2509, 43.4076, 11.7802

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.0103, 39.2586, 26.5540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2509, 43.4076, 11.7802 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, 187, 66)` looks like.

```
.text, #text, p{  
    color:rgb(160, 187, 66)  
}
```

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, 187, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 187, 66) }
```

Border

The CSS property to change the border of an element to XYZ 33.2509, 43.4076, 11.7802 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, 187, 66) }
```


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

```
.border{ border-color:rgb(160, 187, 66) }
```

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

Here you see how a box with a 4 pixel rgb(160, 187, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 187, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 187, 66);  
box-shadow:4px 4px 4px 4px rgb(160, 187,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2509, 43.4076, 11.7802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 187, 66) }
```

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

```
.background{ background-color: rgb(160,  
187, 66) }
```

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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