

Converting Colors

XYZ(30.7854, 35.3238, 15.0838)

Have a look what the booklet for
XYZ(30.7854, 35.3238, 15.0838)
contains.

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Color

**XYZ(30.8897, 35.4132,
15.1049)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A45B
RGB	166, 164, 91
RGB Percent	65%, 64%, 36%
CMY	0.3490, 0.3568, 0.6431
CMYK	0.00, 0.01, 0.45, 0.35
HSL	58°, 30%, 50%
HSV	58°, 45%, 65%
XYZ	30.8897, 35.4132, 15.1049
YIQ	156.2760, 24.6250, -22.2790

Conversions

Conversions Part 2

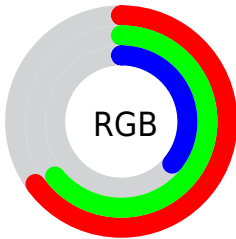
Format	Color
RYB	93, 166, 91
Decimal	10921051
CIELab	66.07, -9.98, 37.96
CIELCh	66, 39.255, 104.730
Yxy	35.4132, 0.3794, 0.4350
Android (android.graphics.Color)	4289111131 (0xFFA6A45B)
YUV	156.2760, -32.1811, 8.5279
Hunter-Lab	59.5090, -11.4856, 26.6070

Details

The XYZ color **30.8897, 35.4132, 15.1049** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.1117, 12.8058, 37.7518**, and the grayscale version is **31.8556, 33.5146, 36.4974**.

A 20% lighter version of the original color is **60.4136, 68.1758, 35.9617**, and **12.8942, 15.2003, 4.4448** is the 20% darker color. If you saturate the color by 10%, you get **30.1728, 35.0014, 11.7155**, and if you desaturate by 10%, it is **31.7670, 35.8921, 19.3301**.

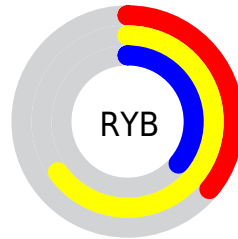
Distribution



Red (65%)

Green (64%)

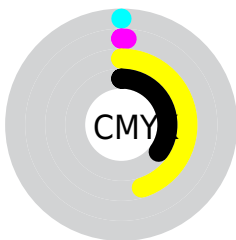
Blue (36%)



Red (36%)

Yellow (65%)

Blue (36%)

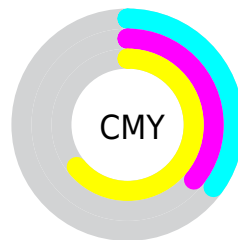


Cyan (0%)

Magenta (1%)

Yellow (45%)

Black (35%)



Cyan (35%)

Magenta (36%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8897, 35.4132, 15.1049 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 30.8897, 35.4132, 15.1049 by changing the saturation by 10% instead.

■ 30.8897, 35.4132,
15.1049

■ 30.8897, 35.4132,
15.1049

297.8658,
326.3884, 235.6629

■ 20.6663, 23.9813,
8.7456

■ 60.4434, 68.1254,
35.7820

■ 12.9914, 15.3198,
4.4811

■ 80.5044, 90.1745,
50.9369

■ 7.4996, 9.0441,
1.8928

■ 104.5753,
116.5315, 69.8607

■ 3.8255, 4.7700,
0.4881

■ 133.0215,
147.5808, 92.9720

■ 1.6039, 2.1129,
0.0000

166.2082,
183.7067, 120.6894

■ 0.3950, 0.6719,
0.0000

204.5010,

■ 0.0000, 0.0000,

225.2937, 153.4312

0.0000

248.2651,
272.7261, 191.6162

■ 30.8897, 35.4132,
15.1049

■ 30.8897, 35.4132,
15.1049

■ 30.1728, 35.0014,
11.7155

■ 31.7670, 35.8921,
19.3301

■ 29.6033, 34.6478,
9.1041

■ 32.8117, 36.4372,
24.4396

■ 29.1700, 34.3490,
7.2090


■ 34.0336, 37.0535,
30.4805


■ 28.8593, 34.0998,
5.9582


■ 35.4408, 37.7445,
37.4961

■ 28.6541, 33.8932,
5.2616

■ 37.0411, 38.5131,
45.5270

 28.5728, 33.8008,
5.0183

 38.8417, 39.3623,
54.6115

 40.8496, 40.2948,
64.7858

 43.0712, 41.3132,
76.0846

 45.5129, 42.4202,
88.5408

Harmonies

Analogous

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



36.6974, 35.4132, 15.1468



30.8897, 35.4132, 15.1049



26.3731, 35.4132, 19.9585

Triad

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



30.8897, 35.4132, 15.1049



26.3097, 35.4132, 65.8401



45.6674, 35.4132, 47.6433

Complementary

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



30.8897, 35.4132, 15.1049



15.1117, 12.8058, 37.7518

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.



42.1770, 35.4132, 66.1461



30.8897, 35.4132, 15.1049



30.7935, 35.4132, 78.5416

Square

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



30.8897, 35.4132, 15.1049



23.9436, 35.4132, 47.3077



36.5894, 35.4132, 78.6674



45.7009, 35.4132, 30.9613

Rectangle

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



30.8897, 35.4132, 15.1049



24.5090, 35.4132, 26.4180



36.5894, 35.4132, 78.6674



44.8431, 35.4132, 53.9446

Sweetspot

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



30.8906, 35.4148, 15.1056



61.9882, 67.3581, 56.4147



21.4653, 16.3888, 12.5049



13.7608, 15.0182, 12.0732



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



30.8906, 35.4148, 15.1056



54.7813, 63.5365, 21.3583



24.8849, 32.8532, 14.9277



8.1295, 8.7390, 8.0476



22.1625, 26.2222, 3.8933



0.5443, 0.6482, 0.0964

Inverse Universe

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



15.1117, 12.8058, 37.7518



22.5472, 17.3540, 67.6366



19.2286, 14.6714, 37.8949



7.1472, 7.3313, 9.4567



5.3801, 2.2204, 28.1205



0.1358, 0.0637, 0.6858

Previews

White Background



This preview shows how the XYZ color 30.8897, 35.4132, 15.1049 looks on a white background.

Color Contrast Check

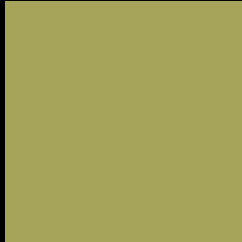
Large Text (above 18pt) WCAG AA × Fail

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 30.8897, 35.4132, 15.1049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

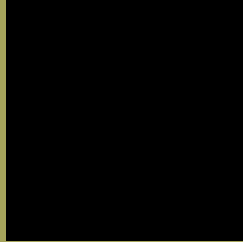
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8897, 35.4132, 15.1049

Background



This preview shows how black text looks on a background with the XYZ color 30.8897, 35.4132, 15.1049.



This preview shows how white text looks on a background with the XYZ color 30.8897, 35.4132,

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

30.8897, 35.4132, 15.1049

Protanopia

32.4948, 35.4580, 14.8043

Deuteranopia

35.9173, 35.1927, 15.4895



Tritanopia

36.1520, 35.2314, 41.4541

Trichromacy



Original Color

30.8897, 35.4132, 15.1049

Protanomaly

31.7791, 35.3495, 14.8211

Deuteranomaly

33.7999, 35.0946, 15.3484

Tritanomaly

33.6816, 34.9757, 29.4019

Monochromacy



Original Color

30.8897, 35.4132, 15.1049

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.0602, 33.9358, 26.7430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8897, 35.4132, 15.1049 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(166, 164, 91)` looks like.

```
.text, #text, p{  
    color:rgb(166, 164, 91)  
}
```

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(166, 164, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 164, 91) }
```

Border

The CSS property to change the border of an element to XYZ 30.8897, 35.4132, 15.1049 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(166, 164, 91) }
```


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

```
.border{ border-color:rgb(166, 164, 91) }
```

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

Here you see how a box with a 4 pixel rgb(166, 164, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 164, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 164, 91);  
box-shadow:4px 4px 4px 4px rgb(166, 164,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8897, 35.4132, 15.1049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 164, 91) }
```

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

```
.background{ background-color: rgb(166,  
164, 91) }
```

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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