

Converting Colors

XYZ(13.2176, 15.8595, 3.9131)

Have a look what the booklet for
XYZ(13.2176, 15.8595, 3.9131)
contains.

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Color

**XYZ(13.2295, 15.8877,
3.8827)**

Conversions

Conversions Part 1

Format	Color
Hex	717322
RGB	113, 115, 34
RGB Percent	44%, 45%, 13%
CMY	0.5569, 0.5490, 0.8667
CMYK	0.02, 0.00, 0.70, 0.55
HSL	61°, 54%, 29%
HSV	61°, 70%, 45%
XYZ	13.2295, 15.8877, 3.8827
YIQ	105.1680, 24.8090, -25.6150

Conversions

Conversions Part 2

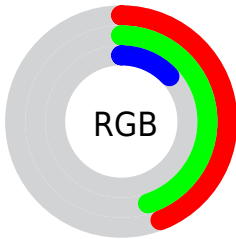
Format	Color
R _Y B	34, 115, 36
Decimal	7435042
CIE Lab	46.83, -11.68, 42.49
CIE LCh	47, 44.069, 105.373
Yxy	15.8877, 0.4009, 0.4814
Android (android.graphics.Color)	4285625122 (0xFF717322)
YUV	105.1680, -35.0858, 6.8687
Hunter-Lab	39.8594, -10.5090, 22.1261

Details

The XYZ color **13.2295, 15.8877, 3.8827** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.3946, 2.7572, 16.5213**, and the grayscale version is **13.5607, 14.2669, 15.5367**.

A 20% lighter version of the original color is **31.3553, 36.4930, 13.7788**, and **3.9938, 5.0384, 0.7620** is the 20% darker color. If you saturate the color by 10%, you get **13.0543, 15.8140, 3.1491**, and if you desaturate by 10%, it is **13.4612, 15.9852, 4.9096**.

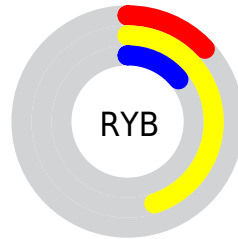
Distribution



Red (44%)

Green (45%)

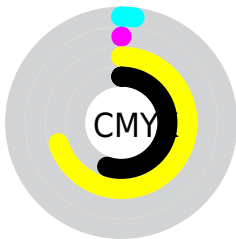
Blue (13%)



Red (13%)

Yellow (45%)

Blue (14%)

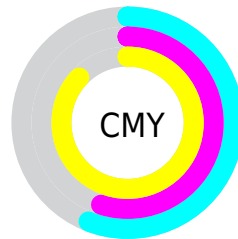


Cyan (2%)

Magenta (0%)

Yellow (70%)

Black (55%)



Cyan (56%)

Magenta (55%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2295, 15.8877, 3.8827 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 13.2295, 15.8877, 3.8827 by changing the saturation by 10% instead.

■ 13.2295, 15.8877,
3.8827

■ 13.2295, 15.8877,
3.8827

205.9913,
228.6781, 146.9125

■ 7.6649, 9.4447,
1.5612

■ 31.3133, 36.4031,
13.7383

■ 3.9312, 5.0324,
0.2629

■ 44.5632, 51.2444,
22.1095

■ 1.6633, 2.2663,
0.0000

■ 61.1055, 69.6538,
33.3344

■ 0.4331, 0.7558,
0.0000

■ 81.3056, 92.0159,
47.8315

■ 0.0000, 0.0000,
0.0000

■ 105.5289,
118.7150, 66.0193

■ 134.1407,

150.1354, 88.3164

167.5064,
186.6617, 115.1413

13.2295, 15.8877,
3.8827

13.2295, 15.8877,
3.8827

13.0543, 15.8140,
3.1491

13.4612, 15.9852,
4.9096

12.9285, 15.7595,
2.6771

13.7531, 16.1062,
6.2552

12.8334, 15.7174,
2.3574

14.1103, 16.2533,
7.9432

14.5366, 16.4281,
9.9949

15.0357, 16.6321,
12.4297

■ 15.6112, 16.8666,
15.2659

■ 16.2663, 17.1329,
18.5203

■ 17.0039, 17.4323,
22.2089

■ 17.8270, 17.7659,
26.3470

Harmonies

Analogous

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



17.0400, 15.8877, 3.8565



13.2295, 15.8877, 3.8827



10.4382, 15.8877, 6.3021

Triad

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



13.2295, 15.8877, 3.8827



10.4914, 15.8877, 37.0961



23.4162, 15.8877, 23.1973

Complementary

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



13.2295, 15.8877, 3.8827



4.3946, 2.7572, 16.5213

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.



20.9787, 15.8877, 36.7738



13.2295, 15.8877, 3.8827



13.3146, 15.8877, 46.8255

Square

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



13.2295, 15.8877, 3.8827



9.0494, 15.8877, 23.5216



17.1407, 15.8877, 46.6874



23.3830, 15.8877, 12.2838

Rectangle

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



13.2295, 15.8877, 3.8827



9.3416, 15.8877, 9.9081



17.1407, 15.8877, 46.6874



22.8427, 15.8877, 27.6731

Sweetspot

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



13.2299, 15.8884, 3.8830



26.8161, 29.7376, 21.7339



7.9709, 4.9835, 2.0553



6.3496, 7.0748, 4.9510



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.2299, 15.8884, 3.8830



23.2126, 28.2463, 5.0167



9.1791, 13.8002, 3.6935



3.9581, 4.2619, 3.9563



14.6676, 17.9658, 2.6947



71.3647, 87.4916, 13.1263

Inverse Universe

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



4.3946, 2.7572, 16.5213



6.2584, 3.0284, 29.2992



6.6356, 3.9125, 16.6262



3.5082, 3.5938, 4.5990



3.5756, 1.4346, 18.6310



17.3170, 6.9358, 90.7863

Previews

White Background



This preview shows how the XYZ color 13.2295, 15.8877, 3.8827 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 13.2295, 15.8877, 3.8827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2295, 15.8877, 3.8827

Background



This preview shows how black text looks on a background with the XYZ color 13.2295, 15.8877, 3.8827.



This preview shows how white text looks on a background with the XYZ color 13.2295, 15.8877,

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

13.2295, 15.8877, 3.8827

Protanopia

14.2711, 15.7638, 3.7294

Deuteranopia

16.0489, 15.7321, 4.0244



Tritanopia

16.1558, 15.7694, 18.7153

Trichromacy



Original Color

13.2295, 15.8877, 3.8827

Protanomaly

13.8144, 15.6912, 3.7395

Deuteranomaly

15.0085, 15.8167, 4.0122

Tritanomaly

14.5918, 15.6057, 11.0472

Monochromacy



Original Color

13.2295, 15.8877, 3.8827

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.0643, 14.6899, 9.5440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2295, 15.8877, 3.8827 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(113, 115, 34)` looks like.

```
.text, #text, p{  
    color:rgb(113, 115, 34)  
}
```

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(113, 115, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 115, 34) }
```

Border

The CSS property to change the border of an element to XYZ 13.2295, 15.8877, 3.8827 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(113, 115, 34) }
```


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

```
.border{ border-color:rgb(113, 115, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 115, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 115, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 115, 34);  
box-shadow:4px 4px 4px 4px rgb(113, 115,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2295, 15.8877, 3.8827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 115, 34) }
```

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

```
.background{ background-color: rgb(113,  
115, 34) }
```

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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