

Converting Colors

XYZ(13.2191, 17.8845, 3.0138)

Have a look what the booklet for
XYZ(13.2191, 17.8845, 3.0138)
contains.

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Color

**XYZ(13.2191, 17.8845,
3.0138)**

Conversions

Conversions Part 1

Format	Color
Hex	687E09
RGB	104, 126, 9
RGB Percent	41%, 49%, 4%
CMY	0.5922, 0.5059, 0.9647
CMYK	0.17, 0.00, 0.93, 0.51
HSL	71°, 87%, 26%
HSV	71°, 93%, 49%
XYZ	13.2191, 17.8845, 3.0138
YIQ	106.0840, 24.4450, -41.0510

Conversions

Conversions Part 2

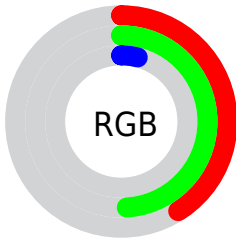
Format	Color
RYB	9, 126, 31
Decimal	6848009
CIELab	49.36, -22.65, 52.18
CIELCh	49, 56.887, 113.464
Yxy	17.8845, 0.3875, 0.5242
Android (android.graphics.Color)	4285038089 (0xFF687E09)
YUV	106.0840, -47.8624, -1.8277
Hunter-Lab	42.2901, -18.2118, 25.3777

Details

The XYZ color **13.2191, 17.8845, 3.0138** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.4293, 1.9935, 19.8911**, and the grayscale version is **13.8458, 14.5669, 15.8633**.

A 20% lighter version of the original color is **31.2948, 39.9390, 11.6898**, and **4.1221, 6.0646, 0.9533** is the 20% darker color. If you saturate the color by 10%, you get **12.9754, 17.7652, 2.7451**, and if you desaturate by 10%, it is **13.5902, 18.0658, 3.5102**.

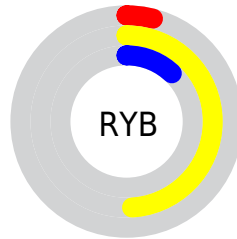
Distribution



Red (41%)

Green (49%)

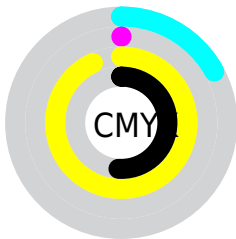
Blue (4%)



Red (4%)

Yellow (49%)

Blue (12%)

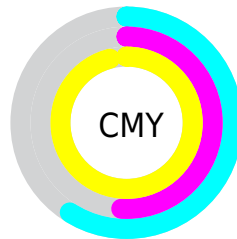


Cyan (17%)

Magenta (0%)

Yellow (93%)

Black (51%)



Cyan (59%)

Magenta (51%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2191, 17.8845, 3.0138 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 13.2191, 17.8845, 3.0138 by changing the saturation by 10% instead.

■ 13.2191, 17.8845,
3.0138

■ 13.2191, 17.8845,
3.0138

205.9265,
240.2192, 136.5362

■ 7.6576, 10.8671,
1.1017

■ 31.2948, 39.8404,
11.6625

■ 3.9266, 5.9775,
0.0000

■ 44.5398, 55.5477,
19.2361

■ 1.6607, 2.8314,
0.0000

■ 61.0766, 74.9204,
29.5340

■ 0.4315, 1.0444,
0.0000


■ 81.2707, 98.3430,
42.9747


■ 0.0000, 0.0000,
0.0000


■ 105.4874,
126.1997, 59.9767


■ 134.0920,


158.8751, 80.9586


 167.4499,
196.7535, 106.3389


 13.2191, 17.8845,
3.0138


 13.2191, 17.8845,
3.0138


 12.9754, 17.7652,
2.7451

 13.5902, 18.0658,
3.5102

 14.0277, 18.2739,
4.3172

 14.5398, 18.5128,
5.4763

 15.1332, 18.7851,
7.0220

 15.8137, 19.0932,
8.9846

■ 16.5865, 19.4391,
11.3915

■ 17.4564, 19.8248,
14.2675

■ 18.4279, 20.2521,
17.6360

■ 19.5051, 20.7226,
21.5183

Harmonies

Analogous

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



18.1980, 17.8845, 2.4113



13.2191, 17.8845, 3.0138



9.9943, 17.8845, 6.6636

Triad

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



13.2191, 17.8845, 3.0138



11.5755, 17.8845, 54.0825



29.4198, 17.8845, 23.0268

Complementary

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



13.2191, 17.8845, 3.0138



4.4293, 1.9935, 19.8911

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.



26.6882, 17.8845, 42.8367



13.2191, 17.8845, 3.0138



15.8532, 17.8845, 65.9281

Square

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



13.2191, 17.8845, 3.0138



9.1940, 17.8845, 33.7354



21.4377, 17.8845, 60.9902



28.3031, 17.8845, 9.9323

Rectangle

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



13.2191, 17.8845, 3.0138



8.9143, 17.8845, 12.2274



21.4377, 17.8845, 60.9902



28.9053, 17.8845, 29.1312

Sweetspot

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



13.2195, 17.8853, 3.0142



29.8154, 34.4913, 22.0715



9.1300, 5.4075, 0.8213



6.6606, 7.7916, 4.6252



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.2195, 17.8853, 3.0142



22.7278, 31.2119, 4.8266



8.6399, 15.5244, 2.7999



4.5886, 4.9799, 4.6395



13.3075, 18.2227, 2.8159



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.4293, 1.9935, 19.8911



7.1847, 2.9381, 34.9328



7.9794, 3.8236, 20.0572



4.1785, 4.2476, 5.4129



4.2396, 1.7393, 20.3622



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.2191, 17.8845, 3.0138 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 13.2191, 17.8845, 3.0138 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 × Fail

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

XYZ 13.2191, 17.8845, 3.0138

Background



This preview shows how black text looks on a background with the XYZ color 13.2191, 17.8845, 3.0138.



This preview shows how white text looks on a background with the XYZ color 13.2191, 17.8845,

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

13.2191, 17.8845, 3.0138

Protanopia

15.8770, 17.6281, 2.5658

Deuteranopia

18.0621, 17.7307, 3.3346



Tritanopia

17.0666, 17.8063, 22.2761

Trichromacy



Original Color

13.2191, 17.8845, 3.0138

Protanomaly

14.7589, 17.5771, 2.7010

Deuteranomaly

15.8787, 17.4433, 3.1461

Tritanomaly

14.7082, 17.3725, 10.7616

Monochromacy



Original Color

13.2191, 17.8845, 3.0138

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.8682, 15.2684, 8.2301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2191, 17.8845, 3.0138 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(104, 126, 9)` looks like.

```
.text, #text, p{  
    color:rgb(104, 126, 9)  
}
```

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(104, 126, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 126, 9) }
```

Border

The CSS property to change the border of an element to XYZ 13.2191, 17.8845, 3.0138 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(104, 126, 9) }
```


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

```
.border{ border-color:rgb(104, 126, 9) }
```

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

Here you see how a box with a 4 pixel rgb(104, 126, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 126, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 126, 9);  
box-shadow:4px 4px 4px 4px rgb(104, 126,  
9) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2191, 17.8845, 3.0138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 126, 9) }
```

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

```
.background{ background-color: rgb(104,  
126, 9) }
```

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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