

Converting Colors

XYZ(13.2379, 17.1158, 2.8418)

Have a look what the booklet for
XYZ(13.2379, 17.1158, 2.8418)
contains.

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Color

**XYZ(13.3100, 17.1878,
2.8458)**

Conversions

Conversions Part 1

Format	Color
Hex	6D7A08
RGB	109, 122, 8
RGB Percent	43%, 48%, 3%
CMY	0.5726, 0.5216, 0.9686
CMYK	0.11, 0.00, 0.93, 0.52
HSL	67°, 88%, 25%
HSV	67°, 93%, 48%
XYZ	13.3100, 17.1878, 2.8458
YIQ	105.1170, 28.8460, -38.2100

Conversions

Conversions Part 2

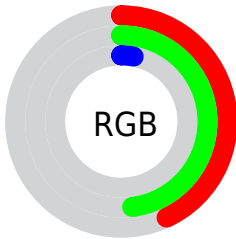
Format	Color
R_{YB}	8, 122, 21
Decimal	7174664
CIE Lab	48.50, -18.35, 51.85
CIE LCh	48, 54.999, 109.493
Yxy	17.1878, 0.3992, 0.5155
Android (android.graphics.Color)	4285364744 (0xFF6D7A08)
YUV	105.1170, -47.8787, 3.4054
Hunter-Lab	41.4582, -15.2450, 24.9509

Details

The XYZ color **13.3100, 17.1878, 2.8458** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.9095, 1.7386, 18.5430**, and the grayscale version is **13.5799, 14.2871, 15.5587**.

A 20% lighter version of the original color is **31.4893, 38.5820, 11.2562**, and **4.1275, 5.6646, 0.8758** is the 20% darker color. If you saturate the color by 10%, you get **13.1547, 17.1134, 2.6099**, and if you desaturate by 10%, it is **13.5672, 17.3113, 3.2979**.

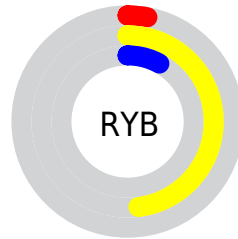
Distribution



Red (43%)

Green (48%)

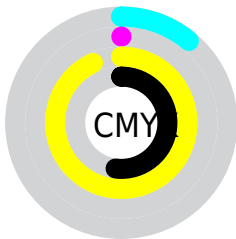
Blue (3%)



Red (3%)

Yellow (48%)

Blue (8%)

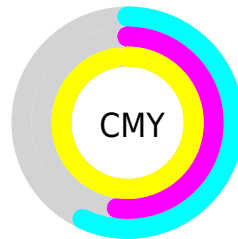


Cyan (11%)

Magenta (0%)

Yellow (93%)

Black (52%)



Cyan (57%)

Magenta (52%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3100, 17.1878, 2.8458 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 13.3100, 17.1878, 2.8458 by changing the saturation by 10% instead.

■ 13.3100, 17.1878,
2.8458

■ 13.3100, 17.1878,
2.8458

206.4927,
236.2523, 134.3718

■ 7.7208, 10.3685,
1.0164

■ 31.4562, 38.6484,
11.2455

■ 3.9671, 5.6439,
0.0000

■ 44.7439, 54.0584,
18.6529

■ 1.6836, 2.6298,
0.0000

■ 61.3286, 73.1009,
28.7568

■ 0.4459, 0.9417,
0.0000


■ 81.5755, 96.1600,
41.9757


■ 0.0000, 0.0000,
0.0000


■ 105.8500,
123.6204, 58.7281


■ 134.5174,


155.8663, 79.4325


 167.9432,
193.2821, 104.5076


 13.3100, 17.1878,
2.8458


 13.3100, 17.1878,
2.8458


 13.1547, 17.1134,
2.6099

 13.5672, 17.3113,
3.2979

 13.8807, 17.4569,
4.0337

 14.2586, 17.6286,
5.0945

 14.7070, 17.8289,
6.5122

 15.2313, 18.0598,
8.3149

■ 15.8362, 18.3233,
10.5280

■ 16.5263, 18.6212,
13.1747

■ 17.3055, 18.9550,
16.2764

■ 18.1777, 19.3264,
19.8530

Harmonies

Analogous

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



18.1692, 17.1878, 2.5369



13.3100, 17.1878, 2.8458



10.0178, 17.1878, 5.8518

Triad

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



13.3100, 17.1878, 2.8458



10.8132, 17.1878, 48.7622



27.8445, 17.1878, 24.2490

Complementary

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



13.3100, 17.1878, 2.8458



3.9095, 1.7386, 18.5430

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.



24.8730, 17.1878, 43.1665



13.3100, 17.1878, 2.8458



14.6313, 17.1878, 61.4468

Square

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



13.3100, 17.1878, 2.8458



8.7950, 17.1878, 29.5938



19.7901, 17.1878, 58.9930



27.2873, 17.1878, 10.8938

Rectangle

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



13.3100, 17.1878, 2.8458



8.8339, 17.1878, 10.5748



19.7901, 17.1878, 58.9930



27.2047, 17.1878, 30.2256

Sweetspot

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



13.3104, 17.1886, 2.8462



28.4180, 32.4761, 20.6402



8.3102, 4.6350, 0.6866



6.4025, 7.3845, 4.3572



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.3104, 17.1886, 2.8462



23.0700, 30.0689, 4.5880



8.5041, 14.7108, 2.6212



4.2649, 4.6118, 4.2899



13.8447, 18.0144, 2.7474



65.5845, 85.6955, 13.0842

Inverse Universe

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



3.9095, 1.7386, 18.5430



6.4303, 2.6010, 32.5560



6.6128, 3.1322, 18.6695



3.8362, 3.9134, 4.9964



3.8835, 1.5748, 19.4846



18.1431, 7.3151, 92.9255

Previews

White Background



This preview shows how the XYZ color 13.3100, 17.1878, 2.8458 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 13.3100, 17.1878, 2.8458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

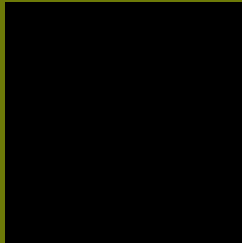
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3100, 17.1878, 2.8458

Background



This preview shows how black text looks on a background with the XYZ color 13.3100, 17.1878, 2.8458.



This preview shows how white text looks on a background with the XYZ color 13.3100, 17.1878,

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

13.3100, 17.1878, 2.8458

Protanopia

15.3367, 17.0073, 2.4744

Deuteranopia

17.2905, 17.0149, 3.1320



Tritanopia

16.8892, 17.0669, 20.8164

Trichromacy



Original Color

13.3100, 17.1878, 2.8458

Protanomaly

14.5209, 17.1010, 2.6216

Deuteranomaly

15.6342, 16.9806, 2.9839

Tritanomaly

14.8008, 16.7297, 10.2336

Monochromacy



Original Color

13.3100, 17.1878, 2.8458

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.7338, 14.8752, 7.9944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3100, 17.1878, 2.8458 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(109, 122, 8)` looks like.

```
.text, #text, p{  
    color:rgb(109, 122, 8)  
}
```

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(109, 122, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 122, 8) }
```

Border

The CSS property to change the border of an element to XYZ 13.3100, 17.1878, 2.8458 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(109, 122, 8) }
```


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

```
.border{ border-color:rgb(109, 122, 8) }
```

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

Here you see how a box with a 4 pixel rgb(109, 122, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 122, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 122, 8);  
box-shadow:4px 4px 4px 4px rgb(109, 122,  
8) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3100, 17.1878, 2.8458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 122, 8) }
```

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

```
.background{ background-color: rgb(109,  
122, 8) }
```

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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