

Converting Colors

XYZ(13.4024, 20.6134, 3.6866)

Have a look what the booklet for
XYZ(13.4024, 20.6134, 3.6866)
contains.

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Color

**XYZ(13.4317, 20.6208,
3.6878)**

Conversions

Conversions Part 1

Format	Color
Hex	598B0E
RGB	89, 139, 14
RGB Percent	35%, 55%, 5%
CMY	0.6510, 0.4549, 0.9451
CMYK	0.36, 0.00, 0.90, 0.45
HSL	84°, 82%, 30%
HSV	84°, 90%, 55%
XYZ	13.4317, 20.6208, 3.6878
YIQ	109.8000, 10.3250, -49.4750

Conversions

Conversions Part 2

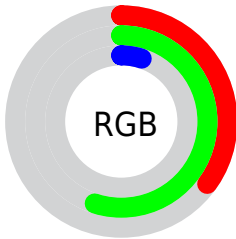
Format	Color
RYB	14, 139, 64
Decimal	5868302
CIELab	52.53, -34.96, 53.45
CIELCh	53, 63.868, 123.188
Yxy	20.6208, 0.3559, 0.5464
Android (android.graphics.Color)	4284058382 (0xFF598B0E)
YUV	109.8000, -47.2294, -18.2416
Hunter-Lab	45.4101, -26.6699, 26.9721

Details

The XYZ color **13.4317, 20.6208, 3.6878** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.9328, 3.2689, 24.6929**, and the grayscale version is **14.8934, 15.6690, 17.0636**.

A 20% lighter version of the original color is **31.6003, 44.4606, 13.2196**, and **4.1829, 7.3368, 1.1957** is the 20% darker color. If you saturate the color by 10%, you get **12.8398, 20.3254, 3.2496**, and if you desaturate by 10%, it is **14.1154, 20.9590, 4.3945**.

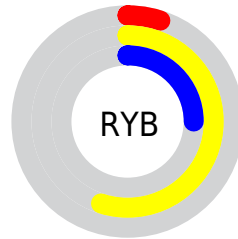
Distribution



 Red (35%)


 Green (55%)

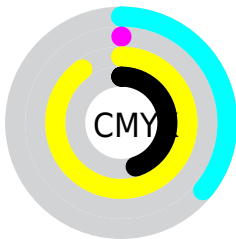
 Blue (5%)




 Red (5%)

 Yellow (55%)

 Blue (25%)

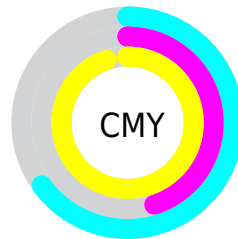


 Cyan (36%)


 Magenta (0%)

 Yellow (90%)

 Black (45%)



 Cyan (65%)

 Magenta (45%)

 Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4317, 20.6208, 3.6878 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 13.4317, 20.6208, 3.6878 by changing the saturation by 10% instead.

■ 13.4317, 20.6208,
3.6878

■ 13.4317, 20.6208,
3.6878

207.2483,
255.2563, 144.6894

■ 7.8055, 12.8471,
1.4557

■ 31.6720, 44.4556,
13.2831

■ 4.0215, 7.3233,
0.1846

■ 45.0168, 61.2855,
21.4833

■ 1.7143, 3.6651,
0.0000

■ 61.6651, 81.9028,
32.5100

■ 0.4652, 1.4881,
0.0000

■ 81.9825, 106.6921,
46.7817


■ 0.0000, 0.2803,
0.0000


■ 106.3341,
136.0377, 64.7170


■ 0.0000, 0.0000,
0.0000


■ 135.0854,


170.3241, 86.7343


 168.6017,
209.9354, 113.2523


 13.4317, 20.6208,
3.6878


 13.4317, 20.6208,
3.6878


 12.8398, 20.3254,
3.2496


 14.1154, 20.9590,
4.3945

 12.8353, 20.3232,
3.2463

 14.9165, 21.3482,
5.5072

 15.8459, 21.7936,
7.0758

 16.9125, 22.2987,
9.1429

 18.1240, 22.8669,
11.7460

■ 19.4877, 23.5011,
14.9192

■ 21.0104, 24.2041,
18.6936

■ 22.6981, 24.9785,
23.0982

■ 24.5568, 25.8265,
28.1600

Harmonies

Analogous

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



18.9009, 20.6208, 2.1899



13.4317, 20.6208, 3.6878



10.3020, 20.6208, 9.7086

Triad

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



13.4317, 20.6208, 3.6878



14.4062, 20.6208, 73.1432



35.2299, 20.6208, 20.4880

Complementary

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



13.4317, 20.6208, 3.6878



6.9328, 3.2689, 24.6929

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.



33.2757, 20.6208, 43.2044



13.4317, 20.6208, 3.6878



20.3150, 20.6208, 81.9528

Square

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



13.4317, 20.6208, 3.6878



10.7693, 20.6208, 48.8605



27.4144, 20.6208, 68.7832



32.2796, 20.6208, 7.8381

Rectangle

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



13.4317, 20.6208, 3.6878



9.4924, 20.6208, 18.4051



27.4144, 20.6208, 68.7832



35.1264, 20.6208, 27.0537

Sweetspot

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



13.4322, 20.6217, 3.6882



35.5080, 42.3671, 28.1958



12.5611, 9.1886, 1.5273



8.0034, 9.6797, 6.0652



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.4322, 20.6217, 3.6882



22.7942, 36.2953, 5.8043



9.7515, 18.7243, 3.5160



5.2407, 5.7468, 5.3854



11.6035, 18.3518, 2.9307



0.0937, 0.1305, 0.0202

Inverse Universe

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



6.9328, 3.2689, 24.6929



11.0502, 4.7325, 44.0740



13.4963, 6.6525, 25.0000



4.9517, 4.9835, 6.3068



5.6767, 2.4406, 22.2176



0.0535, 0.0243, 0.1483

Previews

White Background



This preview shows how the XYZ color 13.4317, 20.6208, 3.6878 looks on a white 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

Black Background



This preview shows how the XYZ color 13.4317, 20.6208, 3.6878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

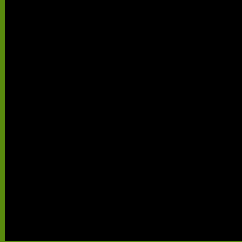
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.4317, 20.6208, 3.6878

Background



This preview shows how black text looks on a background with the XYZ color 13.4317, 20.6208, 3.6878.



This preview shows how white text looks on a background with the XYZ color 13.4317, 20.6208,

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

13.4317, 20.6208, 3.6878

Protanopia

18.3565, 20.3453, 3.1606

Deuteranopia

20.6174, 20.2187, 4.0442



Tritanopia

18.2928, 20.5370, 27.8109

Trichromacy



Original Color

13.4317, 20.6208, 3.6878

Protanomaly

16.0635, 20.1248, 3.3250

Deuteranomaly

17.1414, 19.8932, 3.8005

Tritanomaly

15.5535, 20.2359, 13.6758

Monochromacy



Original Color

13.4317, 20.6208, 3.6878

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.5869, 17.0075, 9.2233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4317, 20.6208, 3.6878 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(89, 139, 14)` looks like.

```
.text, #text, p{  
    color:rgb(89, 139, 14)  
}
```

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(89, 139, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 139, 14) }
```

Border

The CSS property to change the border of an element to XYZ 13.4317, 20.6208, 3.6878 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(89, 139, 14) }
```


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

```
.border{ border-color:rgb(89, 139, 14) }
```

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

Here you see how a box with a 4 pixel rgb(89, 139, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 139, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 139, 14);  
box-shadow:4px 4px 4px 4px rgb(89, 139,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4317, 20.6208, 3.6878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 139, 14) }
```

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

```
.background{ background-color: rgb(89, 139,  
14) }
```

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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