

Converting Colors

XYZ(13.2135, 20.7847, 2.4536)

Have a look what the booklet for
XYZ(13.2135, 20.7847, 2.4536)
contains.

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Color

**XYZ(13.4026, 20.8309,
3.3144)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 588C00 |
| RGB | 88, 140, 0 |
| RGB Percent | 35%, 55%, 0% |
| CMY | 0.6549, 0.4510, 1.0000 |
| CMYK | 0.37, 0.00, 1.00, 0.45 |
| HSL | 82°, 100%, 27% |
| HSV | 82°, 100%, 55% |
| XYZ | 13.4026, 20.8309, 3.3144 |
| YIQ | 108.4920, 13.9480, -54.5640 |

Conversions

Conversions Part 2

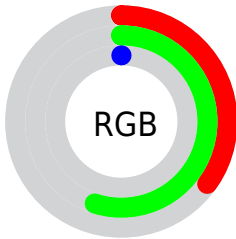
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 140, 52 |
| Decimal | 5803008 |
| CIELab | 52.76, -36.15, 56.11 |
| CIElCh | 53, 66.747, 122.791 |
| Yxy | 20.8309, 0.3569, 0.5548 |
| Android (android.graphics.Color) | 4283993088 (0xFF588C00) |
| YUV | 108.4920, -53.4866, -17.9715 |
| Hunter-Lab | 45.6409, -27.4544, 27.6430 |

Details

The XYZ color **13.4026, 20.8309, 3.3144** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.1509, 2.6242, 24.9945**, and the grayscale version is **14.5365, 15.2935, 16.6546**.

A 20% lighter version of the original color is **31.6629, 44.8406, 12.4551**, and **4.1996, 7.4681, 1.2201** is the 20% darker color. If you saturate the color by 10%, you get **13.4026, 20.8316, 3.3145**, and if you desaturate by 10%, it is **13.9924, 21.1265, 3.7562**.

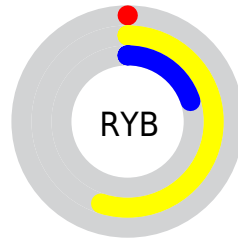
Distribution



Red (35%)

Green (55%)

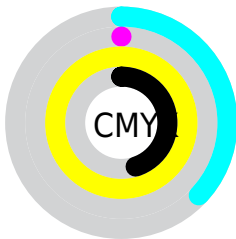
Blue (0%)



Red (0%)

Yellow (55%)

Blue (20%)

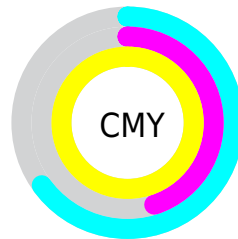


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (65%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4026, 20.8309, 3.3144 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 13.4026, 20.8309, 3.3144 by changing the saturation by 10% instead.

■ 13.4026, 20.8309,
3.3144

■ 13.4026, 20.8309,
3.3144

207.0679,
256.3785, 140.2694

■ 7.7853, 13.0005,
1.2573

■ 31.6204, 44.8059,
12.3949

■ 4.0085, 7.4289,
0.0264

■ 44.9516, 61.7193,
20.2553

■ 1.7069, 3.7317,
0.0000

■ 61.5847, 82.4291,
30.8873

■ 0.4606, 1.5247,
0.0000

■ 81.8853, 107.3198,
44.7094


■ 0.0000, 0.3060,
0.0000


■ 106.2185,
136.7756, 62.1401


■ 0.0000, 0.0000,
0.0000


■ 134.9497,


171.1811, 83.5980


 168.4444,
210.9206, 109.5016


 13.4026, 20.8309,
3.3144


 13.4026, 20.8309,
3.3144


 13.4026, 20.8316,
3.3145

 13.9924, 21.1265,
3.7562

 14.6687, 21.4600,
4.4684

 15.4595, 21.8436,
5.5931

 16.3751, 22.2815,
7.1807

 17.4243, 22.7771,
9.2745

■ 18.6151, 23.3338,
11.9130

■ 19.9546, 23.9545,
15.1306

■ 21.4495, 24.6420,
18.9591

■ 23.1059, 25.3987,
23.4281

Harmonies

Analogous

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



19.1550, 20.8309, 1.9016



13.4026, 20.8309, 3.3144



10.1266, 20.8309, 9.2874

Triad

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



13.4026, 20.8309, 3.3144



14.2912, 20.8309, 76.6554



36.3898, 20.8309, 20.8668

Complementary

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



13.4026, 20.8309, 3.3144



6.1509, 2.6242, 24.9945

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.



34.2366, 20.8309, 45.0933



13.4026, 20.8309, 3.3144



20.4576, 20.8309, 86.4930

Square

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



13.4026, 20.8309, 3.3144



10.5489, 20.8309, 50.3965



27.9627, 20.8309, 72.5312



33.3069, 20.8309, 7.6174

Rectangle

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



13.4026, 20.8309, 3.3144



9.2728, 20.8309, 18.2055



27.9627, 20.8309, 72.5312



36.2551, 20.8309, 27.8364

Sweetspot

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



13.4031, 20.8318, 3.3149



35.0200, 42.1574, 26.2797



12.0146, 7.9734, 0.9061



7.8610, 9.6177, 5.5461



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.



13.4031, 20.8318, 3.3149



23.4467, 36.6317, 5.8349



9.6409, 18.8923, 3.1388



5.2540, 5.7537, 5.3860



11.9304, 18.5203, 2.9460



0.0955, 0.1314, 0.0203

Inverse Universe

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



6.1509, 2.6242, 24.9945



10.6779, 4.5406, 44.0566



12.6665, 5.9832, 25.2994



4.9387, 4.9768, 6.3062



5.4851, 2.3418, 22.2086



0.0517, 0.0234, 0.1482

Previews

White Background



This preview shows how the XYZ color 13.4026, 20.8309, 3.3144 looks on a white background.

Color Contrast Check

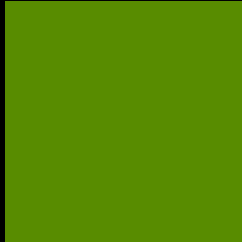
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4026, 20.8309, 3.3144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

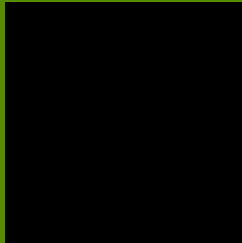
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.4026, 20.8309, 3.3144

Background



This preview shows how black text looks on a background with the XYZ color 13.4026, 20.8309, 3.3144.



This preview shows how white text looks on a background with the XYZ color 13.4026, 20.8309,

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

13.4026, 20.8309, 3.3144

Protanopia

18.6162, 20.6725, 3.0090

Deuteranopia

20.8952, 20.5419, 3.9006



Tritanopia

18.3839, 20.7719, 28.2397

Trichromacy



Original Color

13.4026, 20.8309, 3.3144

Protanomaly

16.1423, 20.3702, 3.0810

Deuteranomaly

17.3634, 20.2058, 3.5153

Tritanomaly

15.4076, 20.3851, 12.7955

Monochromacy



Original Color

13.4026, 20.8309, 3.3144

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.1575, 16.6293, 8.1465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4026, 20.8309, 3.3144 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(88, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(88, 140, 0)  
}
```

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(88, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 140, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.4026, 20.8309, 3.3144 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(88, 140, 0) }
```


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

```
.border{ border-color:rgb(88, 140, 0) }
```

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

Here you see how a box with a 4 pixel rgb(88, 140, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(88, 140, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4026, 20.8309, 3.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 140, 0) }
```

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

```
.background{ background-color: rgb(88, 140,  
0) }
```

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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