

Converting Colors

XYZ(13.2302, 20.3096, 3.3377)

Have a look what the booklet for
XYZ(13.2302, 20.3096, 3.3377)
contains.

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Color

**XYZ(13.2302, 20.3096,
3.3377)**

Conversions

Conversions Part 1

Format	Color
Hex	598A04
RGB	89, 138, 4
RGB Percent	35%, 54%, 2%
CMY	0.6510, 0.4588, 0.9843
CMYK	0.36, 0.00, 0.97, 0.46
HSL	82°, 94%, 28%
HSV	82°, 97%, 54%
XYZ	13.2302, 20.3096, 3.3377
YIQ	108.0730, 13.8100, -52.0620

Conversions

Conversions Part 2

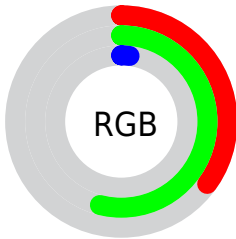
Format	Color
R_{YB}	4, 138, 53
Decimal	5868036
CIE Lab	52.19, -34.78, 54.97
CIE LCh	52, 65.045, 122.320
Yxy	20.3096, 0.3588, 0.5507
Android (android.graphics.Color)	4284058116 (0xFF598A04)
YUV	108.0730, -51.3080, -16.7270
Hunter-Lab	45.0662, -26.4631, 27.1552

Details

The XYZ color **13.2302, 20.3096, 3.3377** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.1001, 2.6794, 24.2417**, and the grayscale version is **14.4120, 15.1625, 16.5120**.

A 20% lighter version of the original color is **31.4254, 44.0582, 12.4780**, and **4.1013, 7.1737, 1.1685** is the 20% darker color. If you saturate the color by 10%, you get **13.0694, 20.2299, 3.2159**, and if you desaturate by 10%, it is **13.8174, 20.6031, 3.8127**.

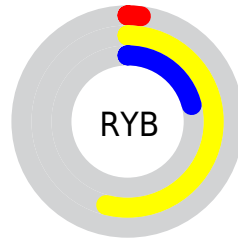
Distribution



Red (35%)

Green (54%)

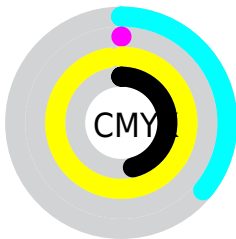
Blue (2%)



Red (2%)

Yellow (54%)

Blue (21%)

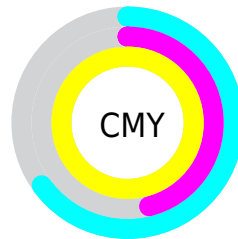


Cyan (36%)

Magenta (0%)

Yellow (97%)

Black (46%)



Cyan (65%)

Magenta (46%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2302, 20.3096, 3.3377 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 13.2302, 20.3096, 3.3377 by changing the saturation by 10% instead.

■ 13.2302, 20.3096,
3.3377

■ 13.2302, 20.3096,
3.3377

205.9957,
253.5863, 140.5519

■ 7.6653, 12.6203,
1.2695

■ 31.3145, 43.9356,
12.4509

■ 3.9316, 7.1676,
0.0366

■ 44.5647, 60.6412,
20.3331

■ 1.6635, 3.5671,
0.0000

■ 61.1074, 81.1209,
30.9904

■ 0.4333, 1.4345,
0.0000

■ 81.3080, 105.7592,
44.8413


■ 0.0000, 0.2419,
0.0000


■ 105.5317,
134.9405, 62.3043


■ 0.0000, 0.0000,
0.0000


■ 134.1440,


169.0492, 83.7981


 167.5102,
208.4696, 109.7411


 13.2302, 20.3096,
3.3377


 13.2302, 20.3096,
3.3377


 13.0694, 20.2299,
3.2159

 13.8174, 20.6031,
3.8127

 14.5002, 20.9380,
4.6161

 15.2958, 21.3220,
5.8337

 16.2136, 21.7590,
7.5118

 17.2619, 22.2522,
9.6907

■ 18.4480, 22.8048,
12.4060

■ 19.7787, 23.4195,
15.6905

■ 21.2602, 24.0988,
19.5740

■ 22.8983, 24.8452,
24.0843

Harmonies

Analogous

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



18.7895, 20.3096, 1.9773



13.2302, 20.3096, 3.3377



10.0330, 20.3096, 9.0696

Triad

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



13.2302, 20.3096, 3.3377



13.9410, 20.3096, 73.1458



35.1503, 20.3096, 20.6611

Complementary

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



13.2302, 20.3096, 3.3377



6.1001, 2.6794, 24.2417

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.



33.0231, 20.3096, 43.9229



13.2302, 20.3096, 3.3377



19.8271, 20.3096, 82.8011

Square

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



13.2302, 20.3096, 3.3377



10.3721, 20.3096, 48.1156



26.9987, 20.3096, 69.8970



32.2866, 20.3096, 7.7220

Rectangle

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



13.2302, 20.3096, 3.3377



9.1842, 20.3096, 17.5619



26.9987, 20.3096, 69.8970



34.9947, 20.3096, 27.3909

Sweetspot

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



13.2307, 20.3105, 3.3381



34.2447, 40.9947, 26.0961



11.6835, 7.7719, 0.9995



7.4849, 9.1044, 5.3675



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.2307, 20.3105, 3.3381



22.8583, 35.5654, 5.6600



9.4902, 18.3822, 3.1631



5.2567, 5.7550, 5.3862



11.9985, 18.5554, 2.9492



0.0958, 0.1316, 0.0203

Inverse Universe

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



6.1001, 2.6794, 24.2417



10.2848, 4.3679, 42.6842



12.0894, 5.7670, 24.5220



4.9361, 4.9755, 6.3060



5.4484, 2.3229, 22.2069



0.0513, 0.0232, 0.1482

Previews

White Background



This preview shows how the XYZ color 13.2302, 20.3096, 3.3377 looks on a white background.

Color Contrast Check

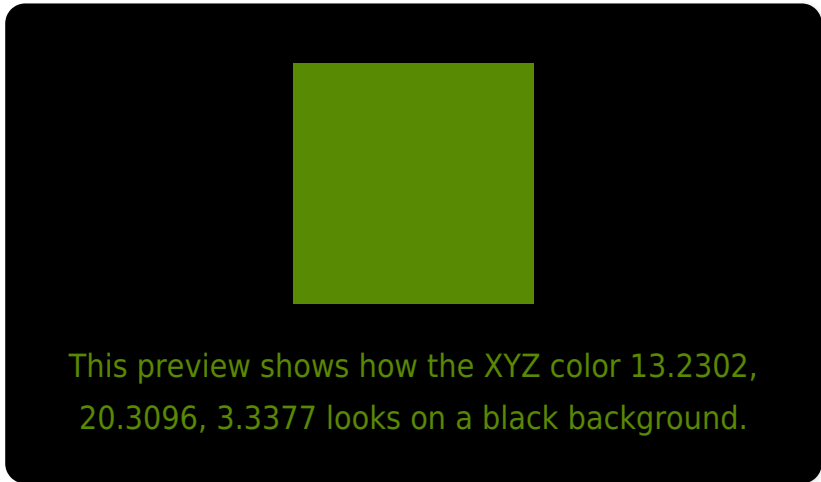
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

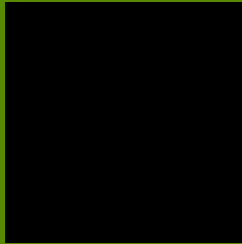
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.2302, 20.3096, 3.3377

Background



This preview shows how black text looks on a background with the XYZ color 13.2302, 20.3096, 3.3377.



This preview shows how white text looks on a background with the XYZ color 13.2302, 20.3096,

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

13.2302, 20.3096, 3.3377

Protanopia

18.0229, 19.9908, 2.9087

Deuteranopia

20.3866, 20.1039, 3.8429



Tritanopia

17.9729, 20.1860, 27.3751

Trichromacy



Original Color

13.2302, 20.3096, 3.3377

Protanomaly

15.7409, 19.7677, 3.0146

Deuteranomaly

16.9669, 19.6198, 3.5088

Tritanomaly

15.1337, 19.8374, 12.7042

Monochromacy



Original Color

13.2302, 20.3096, 3.3377

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.0691, 16.4025, 8.2715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2302, 20.3096, 3.3377 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, 138, 4)` looks like.

```
.text, #text, p{  
    color:rgb(89, 138, 4)  
}
```

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, 138, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 138, 4) }
```

Border

The CSS property to change the border of an element to XYZ 13.2302, 20.3096, 3.3377 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, 138, 4) }
```


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

```
.border{ border-color:rgb(89, 138, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 138, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 138, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 138, 4);  
box-shadow:4px 4px 4px 4px rgb(89, 138, 4)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.2302, 20.3096, 3.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 138, 4) }
```

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

```
.background{ background-color: rgb(89, 138,  
4) }
```

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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