

Converting Colors

XYZ(13.0578, 20.4281, 3.6702)

Have a look what the booklet for
XYZ(13.0578, 20.4281, 3.6702)
contains.

XYZ(13.0582, 20.4282, 3.6703)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.0582, 20.4282,
3.6703)**

Conversions

Conversions Part 1

Format	Color
Hex	558B0E
RGB	85, 139, 14
RGB Percent	33%, 55%, 5%
CMY	0.6667, 0.4549, 0.9451
CMYK	0.39, 0.00, 0.90, 0.45
HSL	86°, 82%, 30%
HSV	86°, 90%, 55%
XYZ	13.0582, 20.4282, 3.6703
YIQ	108.6040, 7.9410, -50.3230

Conversions

Conversions Part 2

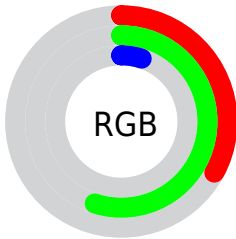
Format	Color
R_{YB}	14, 139, 68
Decimal	5606158
CIE _{Lab}	52.32, -36.47, 53.18
CIE _{LCh}	52, 64.489, 124.444
Yxy	20.4282, 0.3514, 0.5498
Android (android.graphics.Color)	4283796238 (0xFF558B0E)
YUV	108.6040, -46.6398, -20.7007
Hunter-Lab	45.1976, -27.5246, 26.8236

Details

The XYZ color **13.0582, 20.4282, 3.6703** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.2023, 3.4079, 24.7054**, and the grayscale version is **14.5506, 15.3083, 16.6708**.

A 20% lighter version of the original color is **31.0878, 44.1964, 13.1956**, and **4.0251, 7.2555, 1.1883** is the 20% darker color. If you saturate the color by 10%, you get **12.4576, 20.1283, 3.2317**, and if you desaturate by 10%, it is **13.7565, 20.7739, 4.3777**.

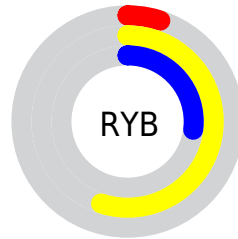
Distribution



Red (33%)

Green (55%)

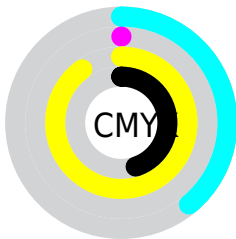
Blue (5%)



Red (5%)

Yellow (55%)

Blue (27%)

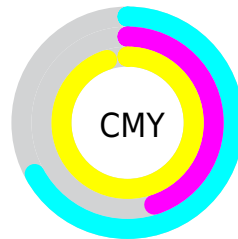


Cyan (39%)

Magenta (0%)

Yellow (90%)

Black (45%)



Cyan (67%)

Magenta (45%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0582, 20.4282, 3.6703 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 13.0582, 20.4282, 3.6703 by changing the saturation by 10% instead.

■ 13.0582, 20.4282,
3.6703

■ 13.0582, 20.4282,
3.6703

204.9204,
254.2239, 144.4871

■ 7.5459, 12.7067,
1.4463

■ 31.0087, 44.1339,
13.2419

■ 3.8551, 7.2269,
0.1774

■ 44.1777, 60.8869,
21.4266

■ 1.6205, 3.6044,
0.0000

■ 60.6296, 81.4192,
32.4353

■ 0.4057, 1.4548,
0.0000

■ 80.7297, 106.1152,
46.6865


■ 0.0000, 0.2566,
0.0000


■ 104.8435,
135.3593, 64.5987


■ 0.0000, 0.0000,
0.0000


■ 133.3364,


169.5358, 86.5905


 166.5735,
209.0292, 113.0805


 13.0582, 20.4282,
3.6703


 13.0582, 20.4282,
3.6703


 12.4576, 20.1283,
3.2317


 13.7565, 20.7739,
4.3777

 12.4531, 20.1261,
3.2284

 14.5785, 21.1739,
5.4913

 15.5352, 21.6333,
7.0612

 16.6357, 22.1560,
9.1298

 17.8880, 22.7452,
11.7349

■ 19.2998, 23.4042,
14.9103

■ 20.8776, 24.1356,
18.6872

■ 22.6281, 24.9423,
23.0947

■ 24.5572, 25.8267,
28.1597

Harmonies

Analogous

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



18.4447, 20.4282, 2.0835



13.0582, 20.4282, 3.6703



10.0320, 20.4282, 9.9118

Triad

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



13.0582, 20.4282, 3.6703



14.4168, 20.4282, 74.1615



35.1134, 20.4282, 19.5306

Complementary

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



13.0582, 20.4282, 3.6703



7.2023, 3.4079, 24.7054

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.



33.3482, 20.4282, 42.0187



13.0582, 20.4282, 3.6703



20.4216, 20.4282, 82.1655

Square

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



13.0582, 20.4282, 3.6703



10.6820, 20.4282, 49.9650



27.5619, 20.4282, 68.0218



31.9507, 20.4282, 7.3178

Rectangle

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



13.0582, 20.4282, 3.6703



9.2863, 20.4282, 18.8897



27.5619, 20.4282, 68.0218



35.0814, 20.4282, 25.9710

Sweetspot

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



13.0587, 20.4291, 3.6707



35.1935, 42.2050, 28.1811



12.6807, 9.4279, 1.5672



7.9245, 9.6391, 6.0615



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.



13.0587, 20.4291, 3.6707



22.1079, 35.9415, 5.7722



9.6992, 18.6972, 3.5135



5.2258, 5.7392, 5.3847



11.2589, 18.1742, 2.9146



0.0916, 0.1294, 0.0201

Inverse Universe

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



7.2023, 3.4079, 24.7054



11.5057, 4.9673, 44.0953



13.8082, 6.8133, 25.0145



4.9662, 4.9910, 6.3075



5.9099, 2.5608, 22.2285



0.0555, 0.0254, 0.1484

Previews

White Background



This preview shows how the XYZ color 13.0582, 20.4282, 3.6703 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 13.0582, 20.4282, 3.6703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

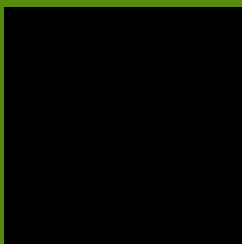
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.0582, 20.4282, 3.6703

Background



This preview shows how black text looks on a background with the XYZ color 13.0582, 20.4282, 3.6703.



This preview shows how white text looks on a background with the XYZ color 13.0582, 20.4282,

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

13.0582, 20.4282, 3.6703

Protanopia

18.1872, 20.2580, 3.1526

Deuteranopia

20.4231, 20.1185, 4.0351



Tritanopia

17.8394, 20.3033, 27.7896

Trichromacy



Original Color

13.0582, 20.4282, 3.6703

Protanomaly

15.7831, 19.9802, 3.3119

Deuteranomaly

16.8316, 19.7335, 3.7860

Tritanomaly

15.1272, 20.0161, 13.6559

Monochromacy



Original Color

13.0582, 20.4282, 3.6703

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.2080, 16.6367, 8.9936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0582, 20.4282, 3.6703 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(85, 139, 14)` looks like.

```
.text, #text, p{  
    color:rgb(85, 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(85, 139, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 139, 14) }
```

Border

The CSS property to change the border of an element to XYZ 13.0582, 20.4282, 3.6703 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(85, 139, 14) }
```


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

```
.border{ border-color:rgb(85, 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(85, 139, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 139, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 139, 14);  
box-shadow:4px 4px 4px 4px rgb(85, 139,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0582, 20.4282, 3.6703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 139, 14) }
```

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

```
.background{ background-color: rgb(85, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor