

Converting Colors

XYZ(27.9450, 20.3402, 6.4005)

Have a look what the booklet for
XYZ(27.9450, 20.3402, 6.4005)
contains.

XYZ(27.8819, 20.3602, 6.4634)	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(27.8819, 20.3602,
6.4634)**

Conversions

Conversions Part 1

Format	Color
Hex	C55F3A
RGB	197, 95, 58
RGB Percent	77%, 37%, 23%
CMY	0.2275, 0.6274, 0.7725
CMYK	0.00, 0.52, 0.71, 0.23
HSL	16°, 55%, 50%
HSV	16°, 71%, 77%
XYZ	27.8819, 20.3602, 6.4634
YIQ	121.2800, 72.6690, 10.1170

Conversions

Conversions Part 2

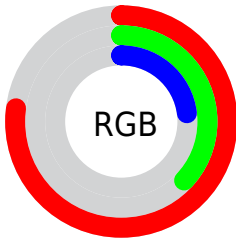
Format	Color
RYB	197, 108, 58
Decimal	12934970
CIELab	52.24, 38.08, 39.64
CIElCh	52, 54.966, 46.152
Yxy	20.3602, 0.5097, 0.3722
Android (android.graphics.Color)	4291125050 (0xFFC55F3A)
YUV	121.2800, -31.1970, 66.4064
Hunter-Lab	45.1223, 31.3345, 23.0928

Details

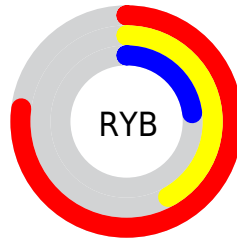
The XYZ color **27.8819, 20.3602, 6.4634** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **24.3929, 30.0706, 57.3416**, and the grayscale version is **18.3466, 19.3021, 21.0199**.

A 20% lighter version of the original color is **54.4837, 43.5013, 19.4349**, and **11.2776, 7.1439, 1.1011** is the 20% darker color. If you saturate the color by 10%, you get **26.2897, 17.8305, 3.9153**, and if you desaturate by 10%, it is **29.9083, 23.4521, 10.1021**.

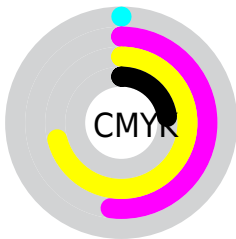
Distribution



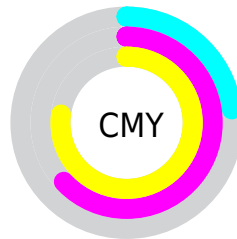
- Red (77%)
- Green (37%)
- Blue (23%)



- Red (77%)
- Yellow (42%)
- Blue (23%)



- Cyan (0%)
- Magenta (52%)
- Yellow (71%)
- Black (23%)





- Cyan (23%)
- Magenta (63%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8819, 20.3602, 6.4634 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 27.8819, 20.3602, 6.4634 by changing the saturation by 10% instead.


 27.8819, 20.3602,
6.4634


 27.8819, 20.3602,
6.4634


283.9925,
253.8585, 172.5855


 18.3767, 12.6571,
3.0555


 55.7058, 44.0203,
19.3794

 11.3221, 7.1929,
1.1231


 74.7552, 60.7461,
29.7247

 6.3528, 3.5830,
0.0000


 97.7166, 81.2482,
43.2195

 3.1034, 1.4432,
0.0000

 124.9555,
105.9112, 60.2823

 1.2087, 0.2482,
0.0000

 156.8372,
135.1193, 81.3319

 0.1132, 0.0000,
0.0000

 193.7270,

 0.0000, 0.0000,

169.2569, 106.7865

0.0000

235.9903,
208.7085, 137.0649

■ 27.8819, 20.3602,
6.4634

■ 27.8819, 20.3602,
6.4634

■ 26.2897, 17.8305,
3.9153

■ 29.9083, 23.4521,
10.1021

■ 25.0938, 15.8235,
2.3301

■ 32.3995, 27.1353,
14.9376

■ 24.2738, 14.3663,
1.4936

■ 35.3847, 31.4410,
21.0646

■ 38.8900, 36.3968,
28.5678

■ 42.9397, 42.0288,
37.5247

■ 47.5566, 48.3616,
48.0070

■ 52.7620, 55.4185,
60.0816

■ 58.5761, 63.2218,
73.8114

■ 65.0182, 71.7926,
89.2561

Harmonies

Analogous

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



31.7543, 20.3602, 14.6003



27.8819, 20.3602, 6.4634



22.0662, 20.3602, 3.6167

Triad

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



27.8819, 20.3602, 6.4634



10.6141, 20.3602, 15.5329



22.5293, 20.3602, 67.4060

Complementary

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



27.8819, 20.3602, 6.4634



24.3929, 30.0706, 57.3416

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.



16.8696, 20.3602, 68.0869



27.8819, 20.3602, 6.4634



10.6899, 20.3602, 31.9838

Square

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



27.8819, 20.3602, 6.4634



12.5350, 20.3602, 6.8596



12.7673, 20.3602, 52.9722



28.2772, 20.3602, 51.4090

Rectangle

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



27.8819, 20.3602, 6.4634



18.2123, 20.3602, 3.4047



12.7673, 20.3602, 52.9722



20.5378, 20.3602, 69.6285

Sweetspot

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



27.8824, 20.3613, 6.4638



76.3163, 74.4597, 65.8861



31.0828, 17.5141, 36.0414



15.8826, 15.3111, 13.0943



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.8824, 20.3613, 6.4638



45.7726, 29.7590, 5.1865



36.7540, 38.1046, 9.4210



10.8597, 11.0886, 11.1307



16.0255, 9.5682, 1.0022



0.8203, 0.5760, 0.0679

Inverse Universe

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



24.3929, 30.0706, 57.3416



38.8920, 47.7038, 101.7657



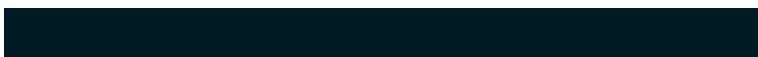
15.7155, 12.7158, 54.4491



10.6986, 11.5713, 13.5871



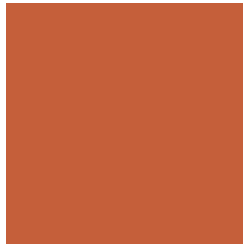
13.3155, 16.0249, 37.1357



0.6876, 0.8730, 1.7774

Previews

White Background



This preview shows how the XYZ color 27.8819, 20.3602, 6.4634 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 27.8819, 20.3602, 6.4634 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 27.8819, 20.3602, 6.4634

Background



This preview shows how black text looks on a background with the XYZ color 27.8819, 20.3602, 6.4634.



This preview shows how white text looks on a background with the XYZ color 27.8819, 20.3602,

6.4634.

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

27.8819, 20.3602, 6.4634

Protanopia

18.8582, 20.4879, 8.4295

Deuteranopia

20.7342, 20.4101, 6.0956



Tritanopia

29.3670, 20.3175, 13.6831

Trichromacy



Original Color

27.8819, 20.3602, 6.4634

Protanomaly

21.2408, 19.7757, 7.5481

Deuteranomaly

22.8193, 19.9643, 6.1408

Tritanomaly

28.6772, 20.2846, 10.5875

Monochromacy



Original Color

27.8819, 20.3602, 6.4634

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

20.3932, 18.8597, 14.1207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8819, 20.3602, 6.4634 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(197, 95, 58)` looks like.

```
.text, #text, p{  
    color:rgb(197, 95, 58)  
}
```

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(197, 95, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 95, 58) }
```

Border

The CSS property to change the border of an element to XYZ 27.8819, 20.3602, 6.4634 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(197, 95, 58) }
```


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

```
.border{ border-color:rgb(197, 95, 58) }
```

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

Here you see how a box with a 4 pixel rgb(197, 95, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 95, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 95, 58);  
box-shadow:4px 4px 4px 4px rgb(197, 95,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8819, 20.3602, 6.4634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 95, 58) }
```

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

```
.background{ background-color: rgb(197, 95,  
58) }
```

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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