

Converting Colors

XYZ(27.8144, 18.5104, 3.6002)

Have a look what the booklet for
XYZ(27.8144, 18.5104, 3.6002)
contains.

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Color

**XYZ(27.7860, 18.5493,
3.6293)**

Conversions

Conversions Part 1

Format	Color
Hex	CB5022
RGB	203, 80, 34
RGB Percent	80%, 31%, 13%
CMY	0.2039, 0.6862, 0.8667
CMYK	0.00, 0.61, 0.83, 0.20
HSL	16°, 71%, 46%
HSV	16°, 83%, 80%
XYZ	27.7860, 18.5493, 3.6293
YIQ	111.5330, 88.0740, 11.7700

Conversions

Conversions Part 2

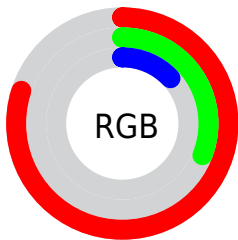
Format	Color
R_{YB}	203, 97, 34
Decimal	13324322
CIE _{Lab}	50.16, 46.69, 49.70
CIE _{LCh}	50, 68.188, 46.787
Yxy	18.5493, 0.5561, 0.3712
Android (android.graphics.Color)	4291514402 (0xFFCB5022)
YUV	111.5330, -38.2238, 80.2166
Hunter-Lab	43.0689, 39.7891, 25.1520

Details

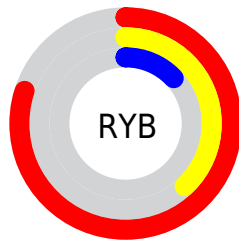
The XYZ color **27.7860, 18.5493, 3.6293** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **23.4951, 28.7637, 60.8131**, and the grayscale version is **15.3553, 16.1550, 17.5928**.

A 20% lighter version of the original color is **51.1889, 38.6596, 12.9477**, and **11.3111, 6.3160, 0.6229** is the 20% darker color. If you saturate the color by 10%, you get **26.6094, 16.5348, 2.1940**, and if you desaturate by 10%, it is **29.3739, 21.1107, 6.0539**.

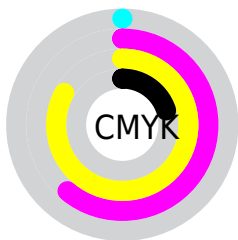
Distribution



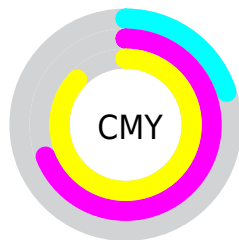
- Red (80%)
- Green (31%)
- Blue (13%)



- Red (80%)
- Yellow (38%)
- Blue (13%)



- Cyan (0%)
- Magenta (61%)
- Yellow (83%)
- Black (20%)





- Cyan (20%)
- Magenta (69%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7860, 18.5493, 3.6293 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 27.7860, 18.5493, 3.6293 by changing the saturation by 10% instead.

 27.7860, 18.5493,
3.6293

 27.7860, 18.5493,
3.6293


283.5416,
243.9492, 144.0114


 18.3040, 11.3451,
1.4243


 55.5536, 40.9711,
13.1454

 11.2695, 6.2994,
0.1605


 74.5700, 56.9575,
21.2935


 6.3170, 3.0280,
0.0000


 97.4952, 76.6401,
32.2597

 3.0813, 1.1464,
0.0000

 124.6947,
100.4032, 46.4626

 1.1969, 0.0172,
0.0000

 156.5337,
128.6313, 64.3206

 0.1039, 0.0000,
0.0000

 193.3776,

 0.0000, 0.0000,

161.7087, 86.2524

0.0000

235.5918,
200.0199, 112.6765

27.7860, 18.5493,
3.6293

27.7860, 18.5493,
3.6293

26.6094, 16.5348,
2.1940

29.3739, 21.1107,
6.0539

26.0071, 15.4537,
1.6121

31.4129, 24.2551,
9.6115

33.9385, 28.0187,
14.4225

36.9821, 32.4338,
20.5918

40.5722, 37.5303,
28.2130

■ 44.7354, 43.3359,
37.3714

■ 49.4960, 49.8771,
48.1456

■ 54.8773, 57.1788,
60.6088

■ 60.9011, 65.2648,
74.8298

Harmonies

Analogous

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



32.7231, 18.5493, 11.4378



27.7860, 18.5493, 3.6293



20.6824, 18.5493, 1.4752

Triad

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



27.7860, 18.5493, 3.6293



7.9615, 18.5493, 12.9974



21.5415, 18.5493, 78.5106

Complementary

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



27.7860, 18.5493, 3.6293



23.4951, 28.7637, 60.8131

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.



14.8948, 18.5493, 79.9650



27.7860, 18.5493, 3.6293



8.0823, 18.5493, 32.5689

Square

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



27.7860, 18.5493, 3.6293



9.9258, 18.5493, 4.1621



10.3110, 18.5493, 59.7691



28.5483, 18.5493, 56.5364

Rectangle

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



27.7860, 18.5493, 3.6293



16.1777, 18.5493, 1.3554



10.3110, 18.5493, 59.7691



19.1679, 18.5493, 81.7426

Sweetspot

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



27.7864, 18.5504, 3.6296



73.3750, 70.4397, 59.1635



31.3663, 16.3069, 33.8121



15.1656, 14.3258, 11.4722



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.



27.7864, 18.5504, 3.6296



43.3939, 25.5678, 2.6480



38.1152, 39.2080, 7.0725



11.4567, 11.7024, 11.7344



16.6166, 9.9661, 1.0479



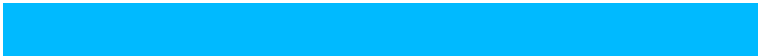
0.9216, 0.6429, 0.0755

Inverse Universe

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



23.4951, 28.7637, 60.8131



35.5210, 42.1620, 100.8737



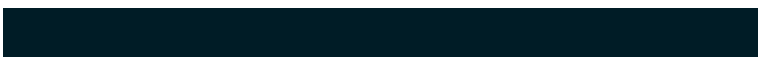
13.8504, 9.4743, 57.5982



11.2750, 12.1904, 14.3291



13.6523, 16.3286, 38.3885



0.7653, 0.9644, 2.0007

Previews

White Background



This preview shows how the XYZ color 27.7860, 18.5493, 3.6293 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 27.7860, 18.5493, 3.6293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

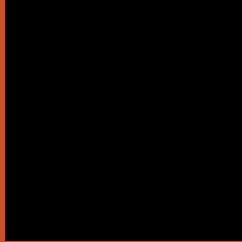
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.7860, 18.5493, 3.6293

Background



This preview shows how black text looks on a background with the XYZ color 27.7860, 18.5493, 3.6293.



This preview shows how white text looks on a background with the XYZ color 27.7860, 18.5493,

3.6293.

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

27.7860, 18.5493, 3.6293

Protanopia

17.0026, 18.6831, 5.0929

Deuteranopia

18.9061, 18.6644, 3.2680



Tritanopia

29.1409, 18.5905, 9.6418

Trichromacy



Original Color

27.7860, 18.5493, 3.6293

Protanomaly

19.7327, 17.6273, 4.3699

Deuteranomaly

21.5044, 18.1190, 3.2836

Tritanomaly

28.4529, 18.5040, 6.7746

Monochromacy



Original Color

27.7860, 18.5493, 3.6293

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

17.8345, 15.7742, 10.4922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7860, 18.5493, 3.6293 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(203, 80, 34)` looks like.

```
.text, #text, p{  
    color:rgb(203, 80, 34)  
}
```

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(203, 80, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 80, 34) }
```

Border

The CSS property to change the border of an element to XYZ 27.7860, 18.5493, 3.6293 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(203, 80, 34) }
```


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

```
.border{ border-color:rgb(203, 80, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 80, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 80, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 80, 34);  
box-shadow:4px 4px 4px 4px rgb(203, 80,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7860, 18.5493, 3.6293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 80, 34) }
```

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

```
.background{ background-color: rgb(203, 80,  
34) }
```

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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