

Converting Colors

XYZ(27.6451, 26.8766, 7.9323)

Have a look what the booklet for
XYZ(27.6451, 26.8766, 7.9323)
contains.

XYZ(27.6746, 26.8309, 7.8580)	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(27.6746, 26.8309,
7.8580)**

Conversions

Conversions Part 1

Format	Color
Hex	B2863B
RGB	178, 134, 59
RGB Percent	70%, 53%, 23%
CMY	0.3020, 0.4745, 0.7686
CMYK	0.00, 0.25, 0.67, 0.30
HSL	38°, 50%, 46%
HSV	38°, 67%, 70%
XYZ	27.6746, 26.8309, 7.8580
YIQ	138.6060, 50.2990, -13.9970

Conversions

Conversions Part 2

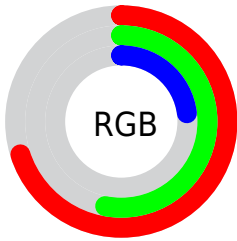
Format	Color
R_{YB}	129, 178, 59
Decimal	11699771
CIE _{Lab}	58.82, 8.91, 45.73
CIE _{LCh}	59, 46.587, 78.974
Yxy	26.8309, 0.4438, 0.4302
Android (android.graphics.Color)	4289889851 (0xFFB2863B)
YUV	138.6060, -39.2458, 34.5485
Hunter-Lab	51.7986, 4.7204, 27.2645

Details

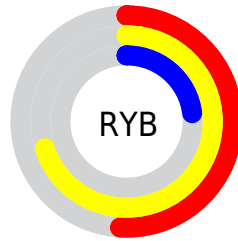
The XYZ color **27.6746, 26.8309, 7.8580** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **14.6896, 13.8442, 44.0172**, and the grayscale version is **24.5222, 25.7992, 28.0954**.

A 20% lighter version of the original color is **55.4557, 54.6493, 22.0935**, and **11.3019, 10.6455, 1.6027** is the 20% darker color. If you saturate the color by 10%, you get **26.4080, 24.9149, 5.5336**, and if you desaturate by 10%, it is **29.1565, 28.9257, 11.0312**.

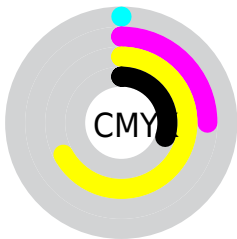
Distribution



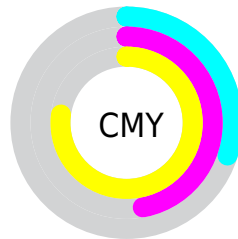
- Red (70%)
- Green (53%)
- Blue (23%)



- Red (51%)
- Yellow (70%)
- Blue (23%)



- Cyan (0%)
- Magenta (25%)
- Yellow (67%)
- Black (30%)



- Cyan (30%)
- Magenta (47%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6746, 26.8309, 7.8580 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 27.6746, 26.8309, 7.8580 by changing the saturation by 10% instead.

■ 27.6746, 26.8309,
7.8580

■ 27.6746, 26.8309,
7.8580

283.0171,
286.8374, 184.5068

■ 18.2197, 17.4463,
3.9178

■ 55.3768, 54.6124,
22.2212

■ 11.2085, 10.5532,
1.5803

■ 74.3548, 73.7780,
33.4811

■ 6.2756, 5.7672,
0.2767

■ 97.2379, 96.9728,
48.0181

■ 3.0556, 2.7041,
0.0000

■ 124.3914,
124.5811, 66.2506

■ 1.1832, 0.9793,
0.0000

■ 156.1808,
156.9873, 88.5972

■ 0.0931, 0.0000,
0.0000

■ 192.9713,

■ 0.0000, 0.0000,

194.5759, 115.4764

0.0000

235.1283,
237.7311, 147.3067

■ 27.6746, 26.8309,
7.8580

■ 27.6746, 26.8309,
7.8580

■ 26.4080, 24.9149,
5.5336

■ 29.1565, 28.9257,
11.0312

■ 25.3370, 23.1650,
3.9678

■ 30.8671, 31.2032,
15.1279

■ 24.4376, 21.5710,
3.0365

■ 32.8210, 33.6717,
20.2164

■ 24.1752, 21.0954,
2.7976

■ 35.0306, 36.3377,
26.3580

■ 37.5075, 39.2073,
33.6089

■ 40.2625, 42.2863,
42.0214

■ 43.3057, 45.5801,
51.6445

■ 46.6465, 49.0940,
62.5243

■ 50.2943, 52.8329,
74.7045

Harmonies

Analogous

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



33.4662, 26.8309, 11.2504



27.6746, 26.8309, 7.8580



22.0746, 26.8309, 8.3408

Triad

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



27.6746, 26.8309, 7.8580



16.4132, 26.8309, 40.7617



34.7816, 26.8309, 55.3053

Complementary

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



27.6746, 26.8309, 7.8580



14.6896, 13.8442, 44.0172

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.



29.2669, 26.8309, 70.5335



27.6746, 26.8309, 7.8580



18.9136, 26.8309, 60.1903

Square

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



27.6746, 26.8309, 7.8580



16.1194, 26.8309, 23.5693



23.4461, 26.8309, 72.5971



37.9610, 26.8309, 35.6955

Rectangle

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



27.6746, 26.8309, 7.8580



19.1630, 26.8309, 10.8692



23.4461, 26.8309, 72.5971



33.1042, 26.8309, 61.3774

Sweetspot

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



27.6752, 26.8322, 7.8585



66.3925, 69.2397, 56.1193



22.4543, 13.6052, 14.7045



14.4323, 15.0193, 11.6222



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



27.6752, 26.8322, 7.8585



46.9675, 43.7072, 8.5882



32.0437, 40.0613, 10.1818



8.9277, 9.3679, 8.9902



17.3594, 15.2174, 2.0223



0.5997, 0.5858, 0.0815

Inverse Universe

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



14.6896, 13.8442, 44.0172



21.8536, 18.6909, 78.8371



12.3389, 7.7545, 42.9657



8.2907, 8.7277, 10.7540



7.1915, 5.1834, 30.7585



0.2832, 0.2770, 0.9868

Previews

White Background



This preview shows how the XYZ color 27.6746, 26.8309, 7.8580 looks on a white background.

Color Contrast Check

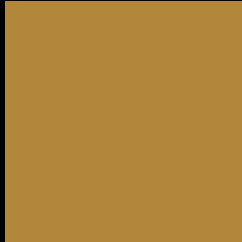
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6746, 26.8309, 7.8580 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 27.6746, 26.8309, 7.8580

Background



This preview shows how black text looks on a background with the XYZ color 27.6746, 26.8309, 7.8580.



This preview shows how white text looks on a background with the XYZ color 27.6746, 26.8309,

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

27.6746, 26.8309, 7.8580

Protanopia

24.6159, 26.9520, 8.3197

Deuteranopia

27.3579, 26.8738, 7.8829



Tritanopia

31.6720, 26.8896, 26.8135

Trichromacy



Original Color

27.6746, 26.8309, 7.8580

Protanomaly

25.5653, 26.7908, 8.0987

Deuteranomaly

27.5849, 26.9908, 7.8935

Tritanomaly

29.8484, 26.7283, 17.7733

Monochromacy



Original Color

27.6746, 26.8309, 7.8580

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.8970, 25.7894, 18.4175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6746, 26.8309, 7.8580 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(178, 134, 59)` looks like.

```
.text, #text, p{  
    color:rgb(178, 134, 59)  
}
```

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(178, 134, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 134, 59) }
```

Border

The CSS property to change the border of an element to XYZ 27.6746, 26.8309, 7.8580 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(178, 134, 59) }
```


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

```
.border{ border-color:rgb(178, 134, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 134, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 134, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 134, 59);  
box-shadow:4px 4px 4px 4px rgb(178, 134,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6746, 26.8309, 7.8580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 134, 59) }
```

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

```
.background{ background-color: rgb(178,  
134, 59) }
```

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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