

Converting Colors

XYZ(18.0409, 10.8757, 2.6680)

Have a look what the booklet for
XYZ(18.0409, 10.8757, 2.6680)
contains.

XYZ(17.9646, 10.8582, 2.6624)	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(17.9646, 10.8582,
2.6624)**

Conversions

Conversions Part 1

Format	Color
Hex	AA3122
RGB	170, 49, 34
RGB Percent	67%, 19%, 13%
CMY	0.3333, 0.8078, 0.8667
CMYK	0.00, 0.71, 0.80, 0.33
HSL	7°, 67%, 40%
HSV	7°, 80%, 67%
XYZ	17.9646, 10.8582, 2.6624
YIQ	83.4690, 76.9310, 20.9870

Conversions

Conversions Part 2

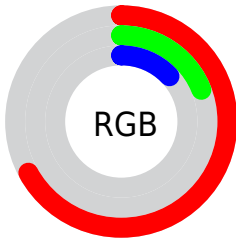
Format	Color
RYB	170, 51, 34
Decimal	11153698
CIELab	39.34, 48.41, 37.36
CIELCh	39, 61.150, 37.665
Yxy	10.8582, 0.5706, 0.3449
Android (android.graphics.Color)	4289343778 (0xFFAA3122)
YUV	83.4690, -24.3882, 75.8877
Hunter-Lab	32.9518, 39.6487, 18.2758

Details

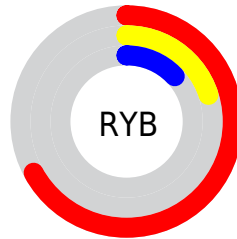
The XYZ color **17.9646, 10.8582, 2.6624** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **19.6352, 26.6821, 42.1451**, and the grayscale version is **8.3558, 8.7909, 9.5733**.

A 20% lighter version of the original color is **39.5769, 27.4355, 10.7991**, and **6.4304, 3.3150, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **17.2473, 9.7239, 1.4982**, and if you desaturate by 10%, it is **19.0159, 12.4668, 4.5362**.

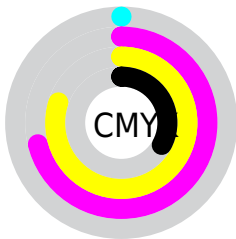
Distribution



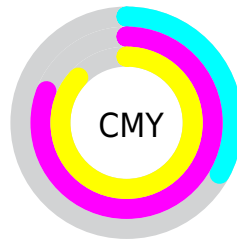
- Red (67%)
- Green (19%)
- Blue (13%)



- Red (67%)
- Yellow (20%)
- Blue (13%)



- Cyan (0%)
- Magenta (71%)
- Yellow (80%)
- Black (33%)



- Cyan (33%)
- Magenta (81%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9646, 10.8582, 2.6624 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 17.9646, 10.8582, 2.6624 by changing the saturation by 10% instead.

■ 17.9646, 10.8582,
2.6624

■ 17.9646, 10.8582,
2.6624

233.7209,
196.6921, 131.9373

■ 11.0241, 5.9716,
0.9244

■ 39.5076, 27.3977,
10.7834

■ 6.1505, 2.8278,
0.0000

■ 54.8407, 39.8193,
18.0040

■ 2.9783, 1.0425,
0.0000

■ 73.7022, 55.5213,
27.8894

■ 1.1423, 0.0000,
0.0000

■ 96.4572, 74.8882,
40.8581

■ 0.0601, 0.0000,
0.0000

■ 123.4713, 98.3044,
57.3288

■ 0.0000, 0.0000,
0.0000

■ 155.1097,

126.1541, 77.7198

191.7378,
158.8219, 102.4498

17.9646, 10.8582,
2.6624

17.9646, 10.8582,
2.6624

17.2473, 9.7239,
1.4982

19.0159, 12.4668,
4.5362

16.8063, 9.0037,
0.8521

20.4354, 14.5924,
7.2085

16.8062, 9.0036,
0.8521

22.2538, 17.2751,
10.7560

24.4983, 20.5506,
15.2460

27.1939, 24.4513,
20.7393

■ 30.3633, 29.0075,
27.2915

■ 34.0280, 34.2475,
34.9542

■ 38.2079, 40.1978,
43.7756

■ 42.9220, 46.8838,
53.8011

Harmonies

Analogous

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



20.3543, 10.8582, 9.0428



17.9646, 10.8582, 2.6624



13.6401, 10.8582, 0.7877

Triad

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



17.9646, 10.8582, 2.6624



4.5821, 10.8582, 5.1174



11.4156, 10.8582, 51.6890

Complementary

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



17.9646, 10.8582, 2.6624



19.6352, 26.6821, 42.1451

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.



7.5884, 10.8582, 47.7754



17.9646, 10.8582, 2.6624



4.2835, 10.8582, 15.1210

Square

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



17.9646, 10.8582, 2.6624



6.1906, 10.8582, 1.4138



5.2262, 10.8582, 31.8615



15.9696, 10.8582, 40.4892

Rectangle

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



17.9646, 10.8582, 2.6624



10.6472, 10.8582, 0.4705



5.2262, 10.8582, 31.8615



10.0003, 10.8582, 52.1831

Sweetspot

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



17.9648, 10.8588, 2.6626



52.4320, 48.8143, 44.0011



23.1841, 12.1039, 32.7445



11.2557, 10.2573, 8.9107



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.9648, 10.8588, 2.6626



30.6536, 16.5788, 1.8392



23.0655, 21.0602, 4.3628



7.5953, 7.6707, 7.8695



12.3847, 6.6668, 0.6341



0.3211, 0.2018, 0.0220

Inverse Universe

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



19.6352, 26.6821, 42.1451



33.5493, 45.8702, 76.0875



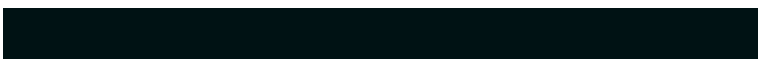
11.4380, 10.2877, 39.4127



7.6758, 8.3886, 9.6329



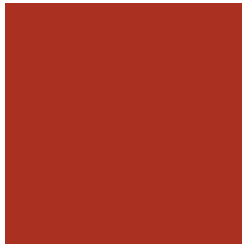
13.5316, 18.5234, 30.8377



0.3486, 0.4894, 0.7567

Previews

White Background



This preview shows how the XYZ color 17.9646, 10.8582, 2.6624 looks on a white 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

Black Background



This preview shows how the XYZ color 17.9646, 10.8582, 2.6624 looks on a black 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

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

XYZ 17.9646, 10.8582, 2.6624

Background



This preview shows how black text looks on a background with the XYZ color 17.9646, 10.8582, 2.6624.



This preview shows how white text looks on a background with the XYZ color 17.9646, 10.8582,

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

17.9646, 10.8582, 2.6624

Protanopia

10.2247, 11.1537, 4.3033

Deuteranopia

11.1982, 11.0582, 2.3548



Tritanopia

18.1485, 10.8008, 4.0340

Trichromacy



Original Color

17.9646, 10.8582, 2.6624

Protanomaly

12.0444, 10.2051, 3.5255

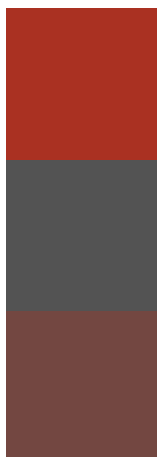
Deuteranomaly

12.9631, 10.2951, 2.3408

Tritanomaly

18.0891, 10.8418, 3.5221

Monochromacy



Original Color

17.9646, 10.8582, 2.6624

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

10.2776, 8.5330, 6.1064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9646, 10.8582, 2.6624 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(170, 49, 34)` looks like.

```
.text, #text, p{  
    color:rgb(170, 49, 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(170, 49, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 49, 34) }
```

Border

The CSS property to change the border of an element to XYZ 17.9646, 10.8582, 2.6624 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(170, 49, 34) }
```


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

```
.border{ border-color:rgb(170, 49, 34) }
```

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

Here you see how a box with a 4 pixel rgb(170, 49, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 49, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 49, 34);  
box-shadow:4px 4px 4px 4px rgb(170, 49,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9646, 10.8582, 2.6624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 49, 34) }
```

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

```
.background{ background-color: rgb(170, 49,  
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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