

Converting Colors

XYZ(18.0895, 10.5785, 8.6857)

Have a look what the booklet for
XYZ(18.0895, 10.5785, 8.6857)
contains.

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Color

**XYZ(18.1122, 10.5630,
8.6736)**

Conversions

Conversions Part 1

Format	Color
Hex	A62D50
RGB	166, 45, 80
RGB Percent	65%, 18%, 31%
CMY	0.3490, 0.8235, 0.6863
CMYK	0.00, 0.73, 0.52, 0.35
HSL	343°, 57%, 41%
HSV	343°, 73%, 65%
XYZ	18.1122, 10.5630, 8.6736
YIQ	85.1690, 60.8810, 36.5370

Conversions

Conversions Part 2

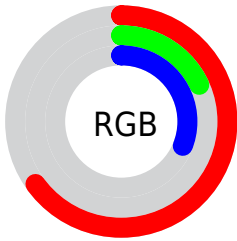
Format	Color
RYB	166, 45, 80
Decimal	10890576
CIELab	38.83, 51.37, 8.49
CIELCh	39, 52.068, 9.381
Yxy	10.5630, 0.4849, 0.2828
Android (android.graphics.Color)	4289080656 (0xFFA62D50)
YUV	85.1690, -2.5483, 70.8888
Hunter-Lab	32.5008, 42.5991, 6.9276

Details

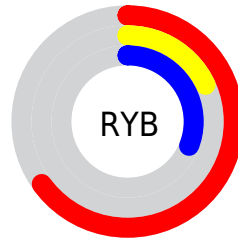
The XYZ color **18.1122, 10.5630, 8.6736** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **18.8160, 29.4692, 26.1722**, and the grayscale version is **8.6670, 9.1184, 9.9299**.

A 20% lighter version of the original color is **39.8836, 26.8681, 23.8528**, and **6.5028, 3.3155, 1.9663** is the 20% darker color. If you saturate the color by 10%, you get **17.2003, 9.3768, 6.4044**, and if you desaturate by 10%, it is **19.3502, 12.2790, 11.4295**.

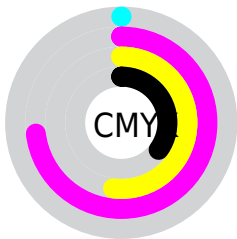
Distribution



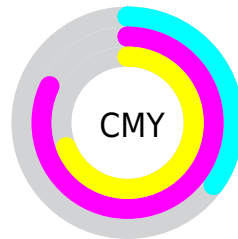
- Red (65%)
- Green (18%)
- Blue (31%)



- Red (65%)
- Yellow (18%)
- Blue (31%)



- Cyan (0%)
- Magenta (73%)
- Yellow (52%)
- Black (35%)





- Cyan (35%)
- Magenta (82%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.1122, 10.5630, 8.6736 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 18.1122, 10.5630, 8.6736 by changing the saturation by 10% instead.


 18.1122, 10.5630,
8.6736


 18.1122, 10.5630,
8.6736


234.5361,
194.6444, 191.0515


 11.1307, 5.7738,
4.4350


 39.7570, 26.8492,
23.8364

 6.2228, 2.7080,
1.8669


 55.1511, 39.1150,
35.5976


 3.0230, 0.9813,
0.4715

 74.0800, 54.6418,
50.7035

 1.1659, 0.0000,
0.0000

 96.9093, 73.8140,
69.5726

 0.0792, 0.0000,
0.0000

 124.0042, 97.0159,
92.6234

 0.0000, 0.0000,
0.0000

 155.7300,

124.6320, 120.2744

192.4522,
157.0467, 152.9443

■ 18.1122, 10.5630,
8.6736

■ 18.1122, 10.5630,
8.6736

■ 17.2003, 9.3768,
6.4044

■ 19.3502, 12.2790,
11.4295

■ 16.5786, 8.6547,
4.5898

■ 20.9434, 14.5768,
14.6998

■ 16.2594, 8.3204,
3.5462

■ 22.9182, 17.5040,
18.5106

■ 25.2985, 21.1027,
22.8858

■ 28.1060, 25.4116,
27.8481

■ 31.3608, 30.4661,
33.4187

■ 35.0817, 36.2996,
39.6176

■ 39.2866, 42.9431,
46.4641

■ 43.9921, 50.4261,
53.9764

Harmonies

Analogous

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



17.6184, 10.5630, 19.5748



18.1122, 10.5630, 8.6736



16.0913, 10.5630, 3.1669

Triad

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



18.1122, 10.5630, 8.6736



6.3910, 10.5630, 2.1787



7.8798, 10.5630, 40.0296

Complementary

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



18.1122, 10.5630, 8.6736



18.8160, 29.4692, 26.1722

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.



5.7349, 10.5630, 28.2617



18.1122, 10.5630, 8.6736



5.0221, 10.5630, 6.0235

Square

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



18.1122, 10.5630, 8.6736



8.9966, 10.5630, 1.0950



4.8132, 10.5630, 14.8851



11.1607, 10.5630, 42.2824

Rectangle

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



18.1122, 10.5630, 8.6736



13.8126, 10.5630, 1.6743



4.8132, 10.5630, 14.8851



7.0254, 10.5630, 36.8296

Sweetspot

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



18.1125, 10.5636, 8.6738



51.2733, 46.5264, 50.9991



16.9820, 9.3530, 36.9864



11.1593, 9.9262, 10.8642



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.1125, 10.5636, 8.6738



30.5108, 16.1725, 9.6392



18.3405, 12.5783, 3.9448



7.6170, 7.5767, 8.3005



12.6266, 6.4593, 2.8450



0.3290, 0.1659, 0.1841

Inverse Universe

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



18.1125, 10.5636, 8.6738



30.5108, 16.1725, 9.6392



17.6090, 22.5982, 39.5099



7.6170, 7.5767, 8.3005



12.6266, 6.4593, 2.8450



0.3290, 0.1659, 0.1841

Previews

White Background



This preview shows how the XYZ color 18.1122, 10.5630, 8.6736 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 18.1122, 10.5630, 8.6736 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 18.1122, 10.5630, 8.6736

Background



This preview shows how black text looks on a background with the XYZ color 18.1122, 10.5630, 8.6736.



This preview shows how white text looks on a background with the XYZ color 18.1122, 10.5630,

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

18.1122, 10.5630, 8.6736

Protanopia

10.6913, 10.8984, 14.9047

Deuteranopia

10.9928, 10.8273, 7.9891



Tritanopia

17.3667, 10.6333, 4.6271

Trichromacy



Original Color

18.1122, 10.5630, 8.6736

Protanomaly

12.0986, 9.7282, 12.3064

Deuteranomaly

12.7403, 9.9540, 8.0873

Tritanomaly

17.5126, 10.5548, 5.8169

Monochromacy



Original Color

18.1122, 10.5630, 8.6736

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.6909, 8.5823, 9.2767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1122, 10.5630, 8.6736 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(166, 45, 80)` looks like.

```
.text, #text, p{  
    color:rgb(166, 45, 80)  
}
```

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(166, 45, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 45, 80) }
```

Border

The CSS property to change the border of an element to XYZ 18.1122, 10.5630, 8.6736 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(166, 45, 80) }
```


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

```
.border{ border-color:rgb(166, 45, 80) }
```

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

Here you see how a box with a 4 pixel rgb(166, 45, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 45, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 45, 80);  
box-shadow:4px 4px 4px 4px rgb(166, 45,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1122, 10.5630, 8.6736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 45, 80) }
```

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

```
.background{ background-color: rgb(166, 45,  
80) }
```

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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