

Converting Colors

XYZ(18.6155, 13.7809, 5.0470)

Have a look what the booklet for
XYZ(18.6155, 13.7809, 5.0470)
contains.

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Color

**XYZ(18.6155, 13.7809,
5.0470)**

Conversions

Conversions Part 1

Format	Color
Hex	A35035
RGB	163, 80, 53
RGB Percent	64%, 31%, 21%
CMY	0.3608, 0.6863, 0.7922
CMYK	0.00, 0.51, 0.67, 0.36
HSL	15°, 51%, 42%
HSV	15°, 67%, 64%
XYZ	18.6155, 13.7809, 5.0470
YIQ	101.7390, 58.1350, 9.1990

Conversions

Conversions Part 2

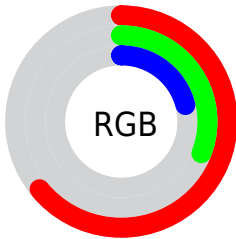
Format	Color
R_{YB}	163, 89, 53
Decimal	10702901
CIE _{Lab}	43.92, 32.10, 31.46
CIE _{LCh}	44, 44.951, 44.420
Yxy	13.7809, 0.4972, 0.3680
Android (android.graphics.Color)	4288892981 (0xFFA35035)
YUV	101.7390, -24.0283, 53.7259
Hunter-Lab	37.1226, 24.5459, 17.9251

Details

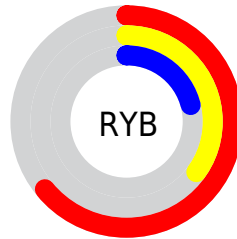
The XYZ color **18.6155, 13.7809, 5.0470** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.8825, 21.0081, 37.8152**, and the grayscale version is **12.6117, 13.2685, 14.4494**.

A 20% lighter version of the original color is **40.5895, 32.7018, 16.4847**, and **6.4777, 4.0617, 0.6723** is the 20% darker color. If you saturate the color by 10%, you get **17.4828, 12.0171, 3.1238**, and if you desaturate by 10%, it is **20.0412, 15.9269, 7.6972**.

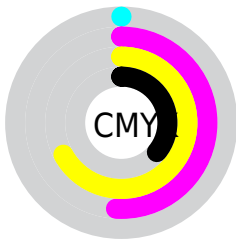
Distribution



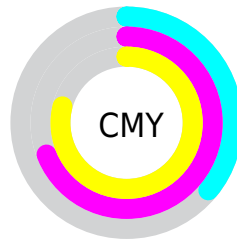
- Red (64%)
- Green (31%)
- Blue (21%)



- Red (64%)
- Yellow (35%)
- Blue (21%)



- Cyan (0%)
- Magenta (51%)
- Yellow (67%)
- Black (36%)





- Cyan (36%)
- Magenta (69%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6155, 13.7809, 5.0470 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 18.6155, 13.7809, 5.0470 by changing the saturation by 10% instead.


 18.6155, 13.7809,
5.0470


 18.6155, 13.7809,
5.0470


237.2969,
215.8635, 159.2353


 11.4951, 7.9684,
2.2156


 40.6053, 32.6998,
16.3603


 6.4706, 4.0748,
0.6834


 56.2054, 46.5749,
25.6794


 3.1767, 1.7155,
0.0000

 75.3628, 63.9065,
37.9981

 1.2479, 0.4336,
0.0000

 98.4429, 85.0788,
53.7350

 0.1437, 0.0000,
0.0000

 125.8110,
110.4763, 73.3086

 0.0000, 0.0000,
0.0000

 157.8325,

140.4833, 97.1375

194.8726,
175.4842, 125.6402

■ 18.6155, 13.7809,
5.0470

■ 18.6155, 13.7809,
5.0470

■ 17.4828, 12.0171,
3.1238

■ 20.0412, 15.9269,
7.6972

■ 16.6197, 10.6098,
1.8526

■ 21.7789, 18.4742,
11.1380

■ 15.9945, 9.5313,
1.1145

■ 23.8472, 21.4432,
15.4267

■ 15.8635, 9.3051,
0.9600

■ 26.2626, 24.8522,
20.6149

■ 29.0406, 28.7184,
26.7504

■ 32.1957, 33.0581,
33.8773

■ 35.7418, 37.8867,
42.0371

■ 39.6917, 43.2191,
51.2688

■ 44.0578, 49.0693,
61.6094

Harmonies

Analogous

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



20.9014, 13.7809, 10.6366



18.6155, 13.7809, 5.0470



15.0224, 13.7809, 2.9408

Triad

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



18.6155, 13.7809, 5.0470



7.5531, 13.7809, 10.3352



14.8764, 13.7809, 43.0924

Complementary

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



18.6155, 13.7809, 5.0470



16.8825, 21.0081, 37.8152

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.



11.3460, 13.7809, 42.8855



18.6155, 13.7809, 5.0470



7.5283, 13.7809, 20.4306

Square

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



18.6155, 13.7809, 5.0470



8.8709, 13.7809, 4.9127



8.7956, 13.7809, 33.3136



18.4921, 13.7809, 33.7927

Rectangle

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



18.6155, 13.7809, 5.0470



12.5782, 13.7809, 2.7232



8.7956, 13.7809, 33.3136



13.6326, 13.7809, 44.2314

Sweetspot

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



18.6158, 13.7816, 5.0472



50.5053, 49.3480, 44.5570



20.9166, 12.1485, 25.0348



11.0412, 10.6634, 9.3390



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.6158, 13.7816, 5.0472



30.4773, 20.1798, 4.3153



24.2258, 25.0017, 6.9172



7.2085, 7.3554, 7.4199



12.3602, 7.2943, 0.7565



0.2942, 0.2223, 0.0274

Inverse Universe

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



16.8825, 21.0081, 37.8152



27.0158, 33.7769, 67.1518



11.1216, 9.4863, 35.8949



7.1281, 7.7153, 9.0166



10.6779, 13.1352, 28.9023



0.2579, 0.3431, 0.6185

Previews

White Background



This preview shows how the XYZ color 18.6155, 13.7809, 5.0470 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 18.6155, 13.7809, 5.0470 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 18.6155, 13.7809, 5.0470

Background



This preview shows how black text looks on a background with the XYZ color 18.6155, 13.7809, 5.0470.



This preview shows how white text looks on a background with the XYZ color 18.6155, 13.7809,

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

18.6155, 13.7809, 5.0470

Protanopia

12.7320, 13.8150, 6.4104

Deuteranopia

14.0695, 13.8126, 4.8303



Tritanopia

19.6245, 13.7774, 9.6076

Trichromacy



Original Color

18.6155, 13.7809, 5.0470

Protanomaly

14.3716, 13.3954, 5.8311

Deuteranomaly

15.3874, 13.5473, 4.8215

Tritanomaly

19.1010, 13.6552, 7.5902

Monochromacy



Original Color

18.6155, 13.7809, 5.0470

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.9151, 12.9306, 10.1500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6155, 13.7809, 5.0470 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(163, 80, 53)` looks like.

```
.text, #text, p{  
    color:rgb(163, 80, 53)  
}
```

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(163, 80, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 80, 53) }
```

Border

The CSS property to change the border of an element to XYZ 18.6155, 13.7809, 5.0470 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(163, 80, 53) }
```


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

```
.border{ border-color:rgb(163, 80, 53) }
```

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

Here you see how a box with a 4 pixel rgb(163, 80, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 80, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 80, 53);  
box-shadow:4px 4px 4px 4px rgb(163, 80,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6155, 13.7809, 5.0470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 80, 53) }
```

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

```
.background{ background-color: rgb(163, 80,  
53) }
```

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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