

Converting Colors

XYZ(18.0751, 13.6769, 3.8312)

Have a look what the booklet for
XYZ(18.0751, 13.6769, 3.8312)
contains.

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Color

**XYZ(18.0583, 13.6291,
3.8694)**

Conversions

Conversions Part 1

Format	Color
Hex	A1512A
RGB	161, 81, 42
RGB Percent	63%, 32%, 16%
CMY	0.3686, 0.6823, 0.8353
CMYK	0.00, 0.50, 0.74, 0.37
HSL	20°, 59%, 40%
HSV	20°, 74%, 63%
XYZ	18.0583, 13.6291, 3.8694
YIQ	100.4740, 60.1990, 4.8310

Conversions

Conversions Part 2

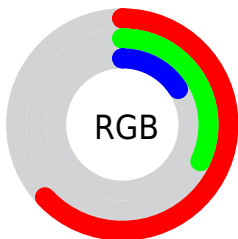
Format	Color
RYB	161, 100, 42
Decimal	10572074
CIELab	43.70, 30.13, 37.17
CIElCh	44, 47.848, 50.972
Yxy	13.6291, 0.5079, 0.3833
Android (android.graphics.Color)	4288762154 (0xFFA1512A)
YUV	100.4740, -28.8277, 53.0813
Hunter-Lab	36.9176, 22.7077, 19.6280

Details

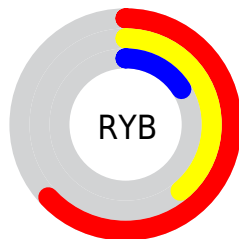
The XYZ color **18.0583, 13.6291, 3.8694** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.3469, 16.9835, 36.2400**, and the grayscale version is **12.2956, 12.9359, 14.0872**.

A 20% lighter version of the original color is **39.5696, 32.4394, 13.6271**, and **6.2528, 4.0308, 0.4485** is the 20% darker color. If you saturate the color by 10%, you get **17.0848, 12.0543, 2.3978**, and if you desaturate by 10%, it is **19.2764, 15.5081, 5.9939**.

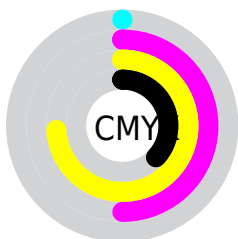
Distribution



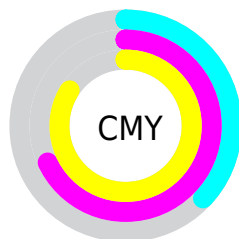
- Red (63%)
- Green (32%)
- Blue (16%)



- Red (63%)
- Yellow (39%)
- Blue (16%)



- Cyan (0%)
- Magenta (50%)
- Yellow (74%)
- Black (37%)



- Cyan (37%)
- Magenta (68%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0583, 13.6291, 3.8694 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 18.0583, 13.6291, 3.8694 by changing the saturation by 10% instead.

■ 18.0583, 13.6291,
3.8694

■ 18.0583, 13.6291,
3.8694

234.2387,
214.9111, 146.7625

■ 11.0918, 7.8632,
1.5540

■ 39.6659, 32.4295,
13.7074

■ 6.1964, 4.0075,
0.2577

■ 55.0378, 46.2327,
22.0671

■ 3.0066, 1.6778,
0.0000

■ 73.9421, 63.4837,
33.2786

■ 1.1573, 0.4092,
0.0000

■ 96.7443, 84.5671,
47.7605

■ 0.0722, 0.0000,
0.0000

■ 123.8097,
109.8671, 65.9313

■ 0.0000, 0.0000,
0.0000

■ 155.5037,

139.7682, 88.2095

192.1915,
174.6547, 115.0137

■ 18.0583, 13.6291,
3.8694

■ 18.0583, 13.6291,
3.8694

■ 17.0848, 12.0543,
2.3978

■ 19.2764, 15.5081,
5.9939

■ 16.3341, 10.7635,
1.4981

■ 20.7563, 17.7054,
8.8377

■ 15.9605, 10.1024,
1.1087

■ 22.5143, 20.2366,
12.4596

■ 24.5652, 23.1158,
16.9124

■ 26.9225, 26.3560,
22.2438

■ 29.5990, 29.9695,
28.4982

■ 32.6065, 33.9682,
35.7168

■ 35.9563, 38.3632,
43.9384

■ 39.6592, 43.1653,
53.1996

Harmonies

Analogous

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



20.9414, 13.6291, 8.5965



18.0583, 13.6291, 3.8694



14.1215, 13.6291, 2.3481

Triad

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



18.0583, 13.6291, 3.8694



7.0475, 13.6291, 11.8233



15.7165, 13.6291, 43.7680

Complementary

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



18.0583, 13.6291, 3.8694



14.3469, 16.9835, 36.2400

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.



11.8528, 13.6291, 46.1005



18.0583, 13.6291, 3.8694



7.3100, 13.6291, 23.5481

Square

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



18.0583, 13.6291, 3.8694



8.1121, 13.6291, 5.2501



8.9155, 13.6291, 37.4228



19.4179, 13.6291, 32.0598

Rectangle

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



18.0583, 13.6291, 3.8694



11.6267, 13.6291, 2.3839



8.9155, 13.6291, 37.4228



14.3787, 13.6291, 45.8415

Sweetspot

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



18.0586, 13.6298, 3.8696



48.8979, 48.1286, 41.4089



19.1209, 10.6710, 19.8950



10.4755, 10.2170, 8.5093



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.0586, 13.6298, 3.8696



29.6477, 19.9722, 3.1031



24.3750, 26.2625, 5.9751



7.2546, 7.4475, 7.4353



12.7812, 8.1363, 0.8968



0.3102, 0.2542, 0.0327

Inverse Universe

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



14.3469, 16.9835, 36.2400



22.4804, 26.0026, 64.2207



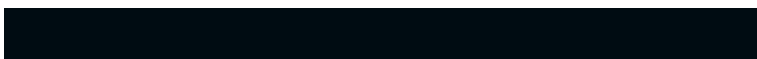
9.2110, 6.7117, 34.5280



7.0795, 7.6180, 9.0004



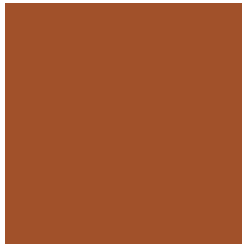
9.4784, 10.7361, 28.5025



0.2394, 0.3061, 0.6123

Previews

White Background



This preview shows how the XYZ color 18.0583, 13.6291, 3.8694 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 18.0583, 13.6291, 3.8694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

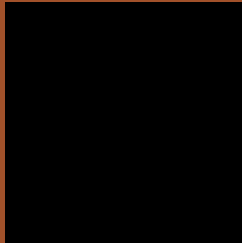
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0583, 13.6291, 3.8694

Background



This preview shows how black text looks on a background with the XYZ color 18.0583, 13.6291, 3.8694.



This preview shows how white text looks on a background with the XYZ color 18.0583, 13.6291,

3.8694.

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

18.0583, 13.6291, 3.8694

Protanopia

12.5749, 13.7672, 4.9003

Deuteranopia

14.0017, 13.8031, 3.6766



Tritanopia

19.2811, 13.7035, 9.6115

Trichromacy



Original Color

18.0583, 13.6291, 3.8694

Protanomaly

14.1917, 13.4685, 4.4365

Deuteranomaly

15.1779, 13.4635, 3.7182

Tritanomaly

18.6378, 13.5354, 6.9405

Monochromacy



Original Color

18.0583, 13.6291, 3.8694

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.3517, 12.5308, 9.1121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0583, 13.6291, 3.8694 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(161, 81, 42)` looks like.

```
.text, #text, p{  
    color:rgb(161, 81, 42)  
}
```

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(161, 81, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 81, 42) }
```

Border

The CSS property to change the border of an element to XYZ 18.0583, 13.6291, 3.8694 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(161, 81, 42) }
```


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

```
.border{ border-color:rgb(161, 81, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 81, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 81, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 81, 42);  
box-shadow:4px 4px 4px 4px rgb(161, 81,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0583, 13.6291, 3.8694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 81, 42) }
```

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

```
.background{ background-color: rgb(161, 81,  
42) }
```

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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