

Converting Colors

XYZ(18.4406, 17.5490, 5.9850)

Have a look what the booklet for
XYZ(18.4406, 17.5490, 5.9850)
contains.

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Color

**XYZ(18.3710, 17.5090,
6.0258)**

Conversions

Conversions Part 1

Format	Color
Hex	946D37
RGB	148, 109, 55
RGB Percent	58%, 43%, 22%
CMY	0.4196, 0.5725, 0.7843
CMYK	0.00, 0.26, 0.63, 0.42
HSL	35°, 46%, 40%
HSV	35°, 63%, 58%
XYZ	18.3710, 17.5090, 6.0258
YIQ	114.5050, 40.5780, -8.5260

Conversions

Conversions Part 2

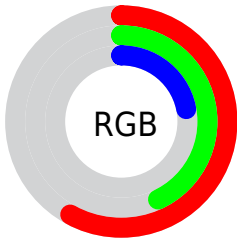
Format	Color
R_{YB}	122, 148, 55
Decimal	9727287
CIE _{Lab}	48.90, 9.37, 35.67
CIE _{LCh}	49, 36.882, 75.281
Yxy	17.5090, 0.4384, 0.4178
Android (android.graphics.Color)	4287917367 (0xFF946D37)
YUV	114.5050, -29.3360, 29.3751
Hunter-Lab	41.8438, 5.1417, 20.7524

Details

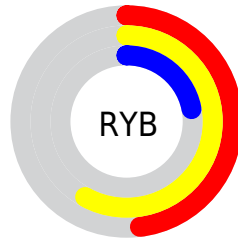
The XYZ color **18.3710, 17.5090, 6.0258** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.9235, 10.9554, 29.5558**, and the grayscale version is **16.2236, 17.0685, 18.5876**.

A 20% lighter version of the original color is **40.2463, 39.1202, 18.5265**, and **6.3771, 5.8403, 0.9922** is the 20% darker color. If you saturate the color by 10%, you get **17.4293, 16.1108, 4.2166**, and if you desaturate by 10%, it is **19.4667, 19.0450, 8.4117**.

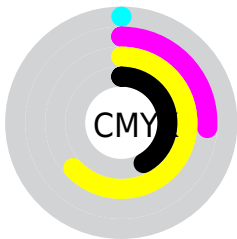
Distribution



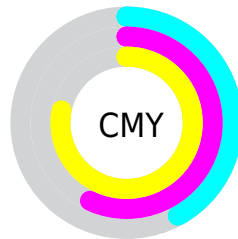
- Red (58%)
- Green (43%)
- Blue (22%)



- Red (48%)
- Yellow (58%)
- Blue (22%)



- Cyan (0%)
- Magenta (26%)
- Yellow (63%)
- Black (42%)



- Cyan (42%)
- Magenta (57%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3710, 17.5090, 6.0258 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 18.3710, 17.5090, 6.0258 by changing the saturation by 10% instead.

■ 18.3710, 17.5090,
6.0258

■ 18.3710, 17.5090,
6.0258

235.9593,
238.0888, 168.6153

■ 11.3180, 10.5981,
2.7917

■ 40.1936, 39.1989,
18.4630

■ 6.3500, 5.7973,
0.9893

■ 55.6940, 54.7466,
28.5032

■ 3.1017, 2.7222,
0.0000

■ 74.7408, 73.9420,
41.6493

■ 1.2078, 0.9885,
0.0000

■ 97.6994, 97.1696,
58.3196

■ 0.1125, 0.0000,
0.0000

■ 124.9352,
124.8136, 78.9329

■ 0.0000, 0.0000,
0.0000

■ 156.8135,

157.2586, 103.9075

193.6998,
194.8888, 133.6622

■ 18.3710, 17.5090,
6.0258

■ 18.3710, 17.5090,
6.0258

■ 17.4293, 16.1108,
4.2166

■ 19.4667, 19.0450,
8.4117

■ 16.6296, 14.8420,
2.9309

■ 20.7247, 20.7215,
11.4190

■ 15.9597, 13.6968,
2.1072

■ 22.1540, 22.5443,
15.0892

■ 15.5358, 12.9420,
1.6792

■ 23.7628, 24.5180,
19.4599

■ 25.5583, 26.6469,
24.5658

■ 27.5475, 28.9352,
30.4394

■ 29.7369, 31.3867,
37.1110

■ 32.1328, 34.0052,
44.6094

■ 34.7410, 36.7943,
52.9621

Harmonies

Analogous

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



21.7167, 17.5090, 8.5610



18.3710, 17.5090, 6.0258



14.9665, 17.5090, 6.0480

Triad

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



18.3710, 17.5090, 6.0258



11.0651, 17.5090, 24.4772



21.7712, 17.5090, 35.6443

Complementary

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



18.3710, 17.5090, 6.0258



10.9235, 10.9554, 29.5558

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.



18.4377, 17.5090, 43.6463



18.3710, 17.5090, 6.0258



12.4263, 17.5090, 35.8431

Square

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



18.3710, 17.5090, 6.0258



11.0524, 17.5090, 14.6642



15.0246, 17.5090, 43.7295



23.8550, 17.5090, 24.2668

Rectangle

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



18.3710, 17.5090, 6.0258



13.1218, 17.5090, 7.4441



15.0246, 17.5090, 43.7295



20.7408, 17.5090, 38.9671

Sweetspot

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



18.3714, 17.5099, 6.0261



42.9857, 44.5282, 37.3010



15.6583, 9.8602, 11.9763



9.6292, 9.9452, 7.9995



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.3714, 17.5099, 6.0261



30.2087, 27.5811, 6.5076



22.4006, 27.1887, 7.6820



6.0637, 6.3411, 6.1448



13.2974, 11.1091, 1.4434



0.1920, 0.1944, 0.0274

Inverse Universe

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



10.9235, 10.9554, 29.5558



15.9998, 15.1129, 51.5084



8.6485, 5.8692, 28.6940



5.6874, 6.0087, 7.3298



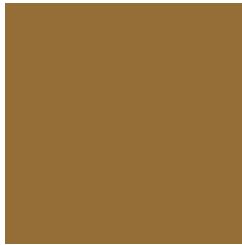
6.0658, 4.8263, 24.5429



0.1023, 0.1152, 0.3097

Previews

White Background



This preview shows how the XYZ color 18.3710, 17.5090, 6.0258 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 18.3710, 17.5090, 6.0258 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 18.3710, 17.5090, 6.0258

Background



This preview shows how black text looks on a background with the XYZ color 18.3710, 17.5090, 6.0258.



This preview shows how white text looks on a background with the XYZ color 18.3710, 17.5090,

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

18.3710, 17.5090, 6.0258

Protanopia

16.1531, 17.6851, 6.4331

Deuteranopia

17.8756, 17.5740, 6.0644



Tritanopia

20.6684, 17.5236, 17.3320

Trichromacy



Original Color

18.3710, 17.5090, 6.0258

Protanomaly

16.8845, 17.5544, 6.2398

Deuteranomaly

17.9426, 17.4474, 6.0364

Tritanomaly

19.7024, 17.4378, 12.2249

Monochromacy



Original Color

18.3710, 17.5090, 6.0258

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.6333, 17.1126, 12.7823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3710, 17.5090, 6.0258 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(148, 109, 55)` looks like.

```
.text, #text, p{  
    color:rgb(148, 109, 55)  
}
```

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(148, 109, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 109, 55) }
```

Border

The CSS property to change the border of an element to XYZ 18.3710, 17.5090, 6.0258 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(148, 109, 55) }
```


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

```
.border{ border-color:rgb(148, 109, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 109, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 109, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 109, 55);  
box-shadow:4px 4px 4px 4px rgb(148, 109,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3710, 17.5090, 6.0258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 109, 55) }
```

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

```
.background{ background-color: rgb(148,  
109, 55) }
```

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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