

Converting Colors

XYZ(17.6821, 13.8929, 4.4352)

Have a look what the booklet for
XYZ(17.6821, 13.8929, 4.4352)
contains.

XYZ(17.6662, 13.8703, 4.4355)	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(17.6662, 13.8703,
4.4355)**

Conversions

Conversions Part 1

Format	Color
Hex	9D552F
RGB	157, 85, 47
RGB Percent	62%, 33%, 18%
CMY	0.3843, 0.6666, 0.8157
CMYK	0.00, 0.46, 0.70, 0.38
HSL	21°, 54%, 40%
HSV	21°, 70%, 62%
XYZ	17.6662, 13.8703, 4.4355
YIQ	102.1960, 55.1100, 3.4460

Conversions

Conversions Part 2

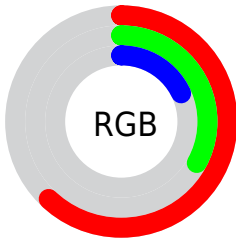
Format	Color
R _Y B	157, 105, 47
Decimal	10310959
CIE Lab	44.05, 26.53, 34.71
CIE LCh	44, 43.687, 52.614
Yxy	13.8703, 0.4911, 0.3856
Android (android.graphics.Color)	4288501039 (0xFF9D552F)
YUV	102.1960, -27.2116, 48.0631
Hunter-Lab	37.2429, 19.4967, 19.0088

Details

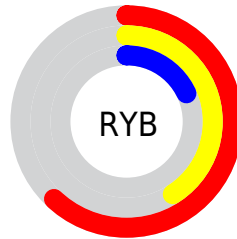
The XYZ color **17.6662, 13.8703, 4.4355** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.8545, 16.2315, 34.3008**, and the grayscale version is **12.7399, 13.4033, 14.5962**.

A 20% lighter version of the original color is **39.1886, 33.0335, 15.1371**, and **6.0599, 4.1529, 0.4822** is the 20% darker color. If you saturate the color by 10%, you get **16.6536, 12.2640, 2.8067**, and if you desaturate by 10%, it is **18.9109, 15.7586, 6.7040**.

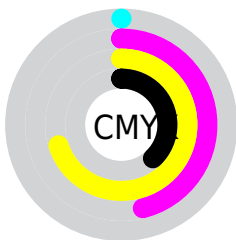
Distribution



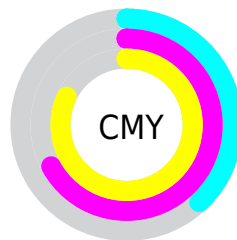
- Red (62%)
- Green (33%)
- Blue (18%)



- Red (62%)
- Yellow (41%)
- Blue (18%)



- Cyan (0%)
- Magenta (46%)
- Yellow (70%)
- Black (38%)



- Cyan (38%)
- Magenta (67%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6662, 13.8703, 4.4355 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 17.6662, 13.8703, 4.4355 by changing the saturation by 10% instead.

■ 17.6662, 13.8703,
4.4355

■ 17.6662, 13.8703,
4.4355

232.0649,
216.4225, 152.9495

■ 10.8088, 8.0305,
1.8672

■ 39.0023, 32.8587,
15.0023

■ 6.0048, 4.1145,
0.4717

■ 54.2117, 46.7761,
23.8379

■ 2.8887, 1.7378,
0.0000

■ 72.9358, 64.1549,
35.5996

■ 1.0952, 0.4480,
0.0000

■ 95.5401, 85.3794,
50.7060

■ 0.0211, 0.0000,
0.0000

■ 122.3897,
110.8340, 69.5757

■ 0.0000, 0.0000,
0.0000

■ 153.8502,

140.9031, 92.6271

190.2868,
175.9711, 120.2789

■ 17.6662, 13.8703,
4.4355

■ 17.6662, 13.8703,
4.4355

■ 16.6536, 12.2640,
2.8067

■ 18.9109, 15.7586,
6.7040

■ 15.8542, 10.9224,
1.7474

■ 20.4025, 17.9407,
9.6710

■ 15.2350, 9.8289,
1.0942

■ 22.1555, 20.4301,
13.3893

■ 24.1829, 23.2388,
17.9062

■ 26.4966, 26.3781,
23.2654

■ 29.1081, 29.8588,
29.5071

■ 32.0279, 33.6910,
36.6691

■ 35.2662, 37.8846,
44.7869

■ 38.8326, 42.4488,
53.8941

Harmonies

Analogous

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



20.3558, 13.8703, 8.8791



17.6662, 13.8703, 4.4355



14.0602, 13.8703, 2.9699

Triad

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



17.6662, 13.8703, 4.4355



7.6094, 13.8703, 12.7757



15.9205, 13.8703, 40.5184

Complementary

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



17.6662, 13.8703, 4.4355



13.8545, 16.2315, 34.3008

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.



12.3437, 13.8703, 43.1035



17.6662, 13.8703, 4.4355



7.9312, 13.8703, 23.7115

Square

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



17.6662, 13.8703, 4.4355



8.5586, 13.8703, 6.2143



9.5312, 13.8703, 35.9561



19.2308, 13.8703, 29.9390

Rectangle

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



17.6662, 13.8703, 4.4355



11.7785, 13.8703, 3.0735



9.5312, 13.8703, 35.9561



14.6956, 13.8703, 42.4970

Sweetspot

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



17.6665, 13.8710, 4.4357



46.8666, 46.4515, 40.2881



18.3316, 10.5654, 18.9488



10.0744, 9.8995, 8.3088



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



17.6665, 13.8710, 4.4357



28.9849, 20.5723, 3.8557



23.6021, 25.7421, 6.4143



6.8111, 7.0022, 6.9782



12.4055, 8.0466, 0.8993



0.2593, 0.2188, 0.0286

Inverse Universe

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



13.8545, 16.2315, 34.3008



21.6092, 24.8659, 60.7874



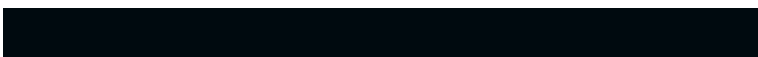
9.1677, 6.8578, 32.7386



6.6288, 7.1233, 8.4322



8.8980, 9.8876, 27.3467



0.1971, 0.2527, 0.5016

Previews

White Background



This preview shows how the XYZ color 17.6662, 13.8703, 4.4355 looks on a white background.

Color Contrast Check

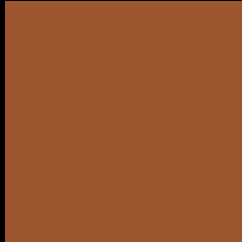
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6662, 13.8703, 4.4355 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 17.6662, 13.8703, 4.4355

Background



This preview shows how black text looks on a background with the XYZ color 17.6662, 13.8703, 4.4355.



This preview shows how white text looks on a background with the XYZ color 17.6662, 13.8703,

4.4355.

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

17.6662, 13.8703, 4.4355

Protanopia

12.8966, 14.0732, 5.4048

Deuteranopia

14.1991, 14.0346, 4.2461



Tritanopia

18.8465, 13.7801, 10.4706

Trichromacy



Original Color

17.6662, 13.8703, 4.4355

Protanomaly

14.3253, 13.7997, 5.0405

Deuteranomaly

15.3620, 13.9417, 4.2642

Tritanomaly

18.2875, 13.7716, 7.8252

Monochromacy



Original Color

17.6662, 13.8703, 4.4355

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.7319, 13.1125, 9.7899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6662, 13.8703, 4.4355 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(157, 85, 47)` looks like.

```
.text, #text, p{  
    color:rgb(157, 85, 47)  
}
```

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(157, 85, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 85, 47) }
```

Border

The CSS property to change the border of an element to XYZ 17.6662, 13.8703, 4.4355 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(157, 85, 47) }
```


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

```
.border{ border-color:rgb(157, 85, 47) }
```

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

Here you see how a box with a 4 pixel rgb(157, 85, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 85, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 85, 47);  
box-shadow:4px 4px 4px 4px rgb(157, 85,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6662, 13.8703, 4.4355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 85, 47) }
```

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

```
.background{ background-color: rgb(157, 85,  
47) }
```

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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