

Converting Colors

XYZ(17.7553, 16.1180, 6.3135)

Have a look what the booklet for
XYZ(17.7553, 16.1180, 6.3135)
contains.

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Color

**XYZ(17.7535, 16.1144,
6.3124)**

Conversions

Conversions Part 1

Format	Color
Hex	94663B
RGB	148, 102, 59
RGB Percent	58%, 40%, 23%
CMY	0.4196, 0.6000, 0.7686
CMYK	0.00, 0.31, 0.60, 0.42
HSL	29°, 43%, 41%
HSV	29°, 60%, 58%
XYZ	17.7535, 16.1144, 6.3124
YIQ	110.8520, 41.2190, -3.6210

Conversions

Conversions Part 2

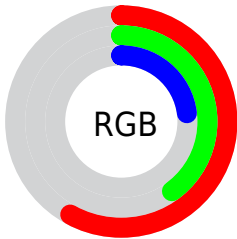
Format	Color
R_{YB}	148, 142, 59
Decimal	9725499
CIE _{Lab}	47.12, 13.73, 31.43
CIE _{LCh}	47, 34.296, 66.405
Yxy	16.1144, 0.4418, 0.4011
Android (android.graphics.Color)	4287915579 (0xFF94663B)
YUV	110.8520, -25.5630, 32.5788
Hunter-Lab	40.1427, 8.6935, 18.7766

Details

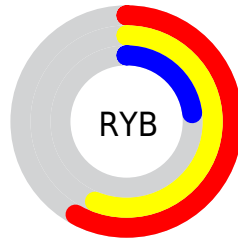
The XYZ color **17.7535, 16.1144, 6.3124** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.2002, 13.1705, 29.9159**, and the grayscale version is **15.1303, 15.9182, 17.3349**.

A 20% lighter version of the original color is **39.2219, 36.8231, 18.9503**, and **6.0615, 5.1438, 1.0888** is the 20% darker color. If you saturate the color by 10%, you get **16.7054, 14.5480, 4.3304**, and if you desaturate by 10%, it is **18.9806, 17.8647, 8.8914**.

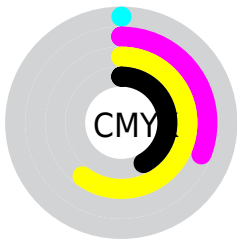
Distribution



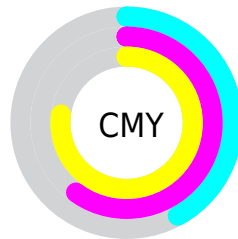
- Red (58%)
- Green (40%)
- Blue (23%)



- Red (58%)
- Yellow (56%)
- Blue (23%)



- Cyan (0%)
- Magenta (31%)
- Yellow (60%)
- Black (42%)





- Cyan (42%)
- Magenta (60%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7535, 16.1144, 6.3124 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 17.7535, 16.1144, 6.3124 by changing the saturation by 10% instead.


 17.7535, 16.1144,
6.3124


 17.7535, 16.1144,
6.3124


232.5505,
230.0158, 171.2295


 10.8718, 9.6051,
2.9641


 39.1502, 36.7967,
19.0647


 6.0473, 5.1379,
1.0763


 54.3959, 51.7385,
29.3058

 2.9148, 2.3284,
0.0000

 73.1604, 70.2600,
42.6815

 1.1089, 0.7887,
0.0000

 95.8088, 92.7455,
59.6105

 0.0325, 0.0000,
0.0000

 122.7067,
119.5794, 80.5113

 0.0000, 0.0000,
0.0000

 154.2194,

151.1462, 105.8023

190.7122,
187.8302, 135.9022

■ 17.7535, 16.1144,
6.3124

■ 17.7535, 16.1144,
6.3124

■ 16.7054, 14.5480,
4.3304

■ 18.9806, 17.8647,
8.8914

■ 15.8239, 13.1555,
2.8939

■ 20.3956, 19.8035,
12.1112

■ 15.0962, 11.9295,
1.9442

■ 22.0084, 21.9379,
16.0123

■ 14.4985, 10.8676,
1.3335

■ 23.8274, 24.2742,
20.6319

■ 25.8608, 26.8181,
26.0042

■ 28.1160, 29.5752,
32.1613

■ 30.6002, 32.5507,
39.1334

■ 33.3203, 35.7498,
46.9492

■ 36.2827, 39.1772,
55.6358

Harmonies

Analogous

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



20.4666, 16.1144, 9.4279



17.7535, 16.1144, 6.3124



14.6792, 16.1144, 5.6853

Triad

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



17.7535, 16.1144, 6.3124



10.2515, 16.1144, 19.4619



19.0171, 16.1144, 34.5682

Complementary

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



17.7535, 16.1144, 6.3124



12.2002, 13.1705, 29.9159

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.



15.9714, 16.1144, 39.7303



17.7535, 16.1144, 6.3124



11.1117, 16.1144, 29.3459

Square

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



17.7535, 16.1144, 6.3124



10.5982, 16.1144, 11.7086



13.1129, 16.1144, 37.5583



21.2605, 16.1144, 25.0580

Rectangle

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



17.7535, 16.1144, 6.3124



12.8823, 16.1144, 6.4878



13.1129, 16.1144, 37.5583



18.0390, 16.1144, 36.9904

Sweetspot

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



17.7539, 16.1152, 6.3127



42.6513, 43.6005, 37.9878



16.4026, 10.4743, 14.9206



9.5276, 9.6887, 8.1295



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.



17.7539, 16.1152, 6.3127



28.9308, 24.8243, 6.7016



23.1325, 26.8725, 8.1056



6.0182, 6.2502, 6.1297



12.4113, 9.3369, 1.1481



0.1812, 0.1728, 0.0238

Inverse Universe

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



12.2002, 13.1705, 29.9159



18.2264, 19.1397, 52.1683



8.8699, 6.5098, 28.8057



5.7325, 6.0990, 7.3448



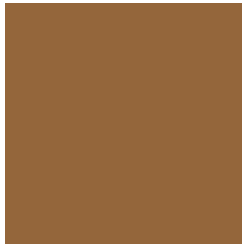
6.8295, 6.3538, 24.7975



0.1131, 0.1368, 0.3133

Previews

White Background



This preview shows how the XYZ color 17.7535, 16.1144, 6.3124 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 17.7535, 16.1144, 6.3124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

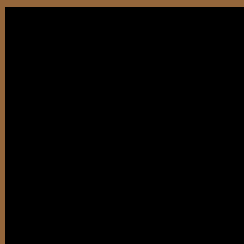
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

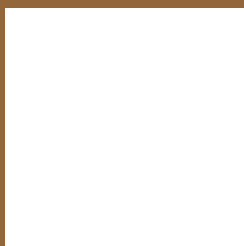
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.7535, 16.1144, 6.3124

Background



This preview shows how black text looks on a background with the XYZ color 17.7535, 16.1144, 6.3124.



This preview shows how white text looks on a background with the XYZ color 17.7535, 16.1144,

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

17.7535, 16.1144, 6.3124

Protanopia

14.8598, 16.1582, 7.0383

Deuteranopia

16.5026, 16.2242, 6.2648



Tritanopia

19.5359, 16.1282, 15.1801

Trichromacy



Original Color

17.7535, 16.1144, 6.3124

Protanomaly

15.7478, 15.9785, 6.8116

Deuteranomaly

16.9706, 16.1594, 6.2276

Tritanomaly

18.8010, 16.1123, 11.3516

Monochromacy



Original Color

17.7535, 16.1144, 6.3124

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.6065, 15.7829, 12.3491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7535, 16.1144, 6.3124 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, 102, 59)` looks like.

```
.text, #text, p{  
    color:rgb(148, 102, 59)  
}
```

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, 102, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 102, 59) }
```

Border

The CSS property to change the border of an element to XYZ 17.7535, 16.1144, 6.3124 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, 102, 59) }
```


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

```
.border{ border-color:rgb(148, 102, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 102, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 102, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 102, 59);  
box-shadow:4px 4px 4px 4px rgb(148, 102,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7535, 16.1144, 6.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 102, 59) }
```

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

```
.background{ background-color: rgb(148,  
102, 59) }
```

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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