

Converting Colors

XYZ(17.5950, 20.2356, 11.9312)

Have a look what the booklet for
XYZ(17.5950, 20.2356, 11.9312)
contains.

XYZ(17.6078, 20.3374, 12.0143)	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(17.6078, 20.3374,
12.0143)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8057
RGB	123, 128, 87
RGB Percent	48%, 50%, 34%
CMY	0.5176, 0.4980, 0.6588
CMYK	0.04, 0.00, 0.32, 0.50
HSL	67°, 19%, 42%
HSV	67°, 32%, 50%
XYZ	17.6078, 20.3374, 12.0143
YIQ	121.8310, 10.1810, -13.8110

Conversions

Conversions Part 2

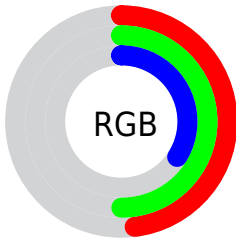
Format	Color
RYB	87, 128, 92
Decimal	8093783
CIELab	52.22, -9.01, 21.69
CIElCh	52, 23.483, 112.551
Yxy	20.3374, 0.3524, 0.4071
Android (android.graphics.Color)	4286283863 (0xFF7B8057)
YUV	121.8310, -17.1717, 1.0252
Hunter-Lab	45.0970, -9.2257, 15.7724

Details

The XYZ color **17.6078, 20.3374, 12.0143** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.7189, 10.6508, 21.8614**, and the grayscale version is **18.4958, 19.4591, 21.1909**.

A 20% lighter version of the original color is **38.9437, 44.0840, 30.1234**, and **5.9439, 7.1685, 3.1682** is the 20% darker color. If you saturate the color by 10%, you get **16.9091, 20.0330, 9.4897**, and if you desaturate by 10%, it is **18.4039, 20.6826, 15.0285**.

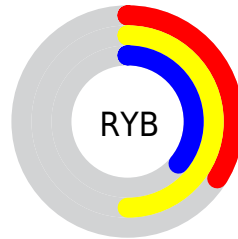
Distribution



Red (48%)

Green (50%)

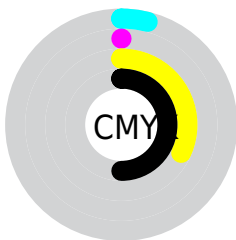
Blue (34%)



Red (34%)

Yellow (50%)

Blue (36%)

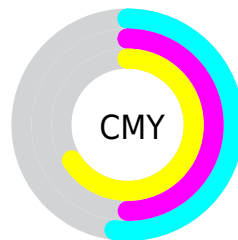


Cyan (4%)

Magenta (0%)

Yellow (32%)

Black (50%)



Cyan (52%)

Magenta (50%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6078, 20.3374, 12.0143 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 17.6078, 20.3374, 12.0143 by changing the saturation by 10% instead.

■ 17.6078, 20.3374,
12.0143

■ 17.6078, 20.3374,
12.0143

231.7396,
253.7358, 215.4812

■ 10.7668, 12.6405,
6.6308

■ 38.9032, 43.9821,
30.1859

■ 5.9764, 7.1815,
3.1573

■ 54.0883, 60.6988,
43.8111

■ 2.8712, 3.5759,
1.1755

■ 72.7855, 81.1909,
61.0206

■ 1.0860, 1.4393,
0.0000

■ 95.3600, 105.8427,
82.2329

■ 0.0134, 0.2454,
0.0000

■ 122.1774,
135.0387, 107.8665

■ 0.0000, 0.0000,
0.0000

153.6029,

169.1633, 138.3401

190.0018,
208.6009, 174.0722

■ 17.6078, 20.3374,
12.0143

■ 17.6078, 20.3374,
12.0143

■ 16.9091, 20.0330,
9.4897

■ 18.4039, 20.6826,
15.0285

■ 16.3012, 19.7647,
7.4275

■ 19.3004, 21.0676,
18.5548

■ 15.7795, 19.5312,
5.7999

■ 20.3020, 21.4951,
22.6160

■ 15.3378, 19.3301,
4.5758

■ 21.4127, 21.9667,
27.2332

■ 14.9694, 19.1588,
3.7196

■ 22.6365, 22.4838,
32.4262

■ 14.6665, 19.0141,
3.1900

■ 23.9767, 23.0481,
38.2139

■ 14.4505, 18.9091,
2.8882

■ 25.4370, 23.6607,
44.6145

■ 27.0206, 24.3231,
51.6451

■ 28.7306, 25.0365,
59.3223

Harmonies

Analogous

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



19.9367, 20.3374, 11.4241



17.6078, 20.3374, 12.0143



15.8815, 20.3374, 15.0184

Triad

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



17.6078, 20.3374, 12.0143



16.6485, 20.3374, 34.4313



24.2956, 20.3374, 23.9084

Complementary

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



17.6078, 20.3374, 12.0143



11.7189, 10.6508, 21.8614

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.



23.2449, 20.3374, 31.2278



17.6078, 20.3374, 12.0143



18.7359, 20.3374, 38.0713

Square

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



17.6078, 20.3374, 12.0143



15.3606, 20.3374, 27.6301



21.1612, 20.3374, 36.7911



23.9305, 20.3374, 17.4368

Rectangle

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



17.6078, 20.3374, 12.0143



15.2400, 20.3374, 18.4001



21.1612, 20.3374, 36.7911



24.0935, 20.3374, 26.3641

Sweetspot

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



17.6083, 20.3383, 12.0147



34.2832, 37.2207, 33.8845



14.4315, 12.8947, 10.7454



7.9798, 8.6943, 7.7453



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



17.6083, 20.3383, 12.0147



30.1403, 35.4318, 18.0207



15.0013, 18.9943, 11.8927



4.6154, 4.9937, 4.6407



14.3287, 18.7491, 2.8637



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.7189, 10.6508, 21.8614



18.1736, 15.7418, 38.0369



14.0233, 11.8387, 21.9692



4.1539, 4.2349, 5.4118



4.0697, 1.6517, 20.3543



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.6078, 20.3374, 12.0143 looks on a white 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

Black Background



This preview shows how the XYZ color 17.6078, 20.3374, 12.0143 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 17.6078, 20.3374, 12.0143

Background



This preview shows how black text looks on a background with the XYZ color 17.6078, 20.3374, 12.0143.



This preview shows how white text looks on a background with the XYZ color 17.6078, 20.3374,

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

17.6078, 20.3374, 12.0143

Protanopia

18.8390, 20.2221, 11.5047

Deuteranopia

20.6127, 20.2108, 12.2659



Tritanopia

20.1777, 20.2521, 24.6754

Trichromacy



Original Color

17.6078, 20.3374, 12.0143

Protanomaly

18.3734, 20.1644, 11.7278

Deuteranomaly

19.3684, 20.1126, 12.0938

Tritanomaly

19.1124, 20.1883, 19.4124

Monochromacy



Original Color

17.6078, 20.3374, 12.0143

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.9940, 19.6570, 17.3138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6078, 20.3374, 12.0143 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(123, 128, 87)` looks like.

```
.text, #text, p{  
    color:rgb(123, 128, 87)  
}
```

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(123, 128, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 128, 87) }
```

Border

The CSS property to change the border of an element to XYZ 17.6078, 20.3374, 12.0143 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(123, 128, 87) }
```


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

```
.border{ border-color:rgb(123, 128, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 128, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 128, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 128, 87);  
box-shadow:4px 4px 4px 4px rgb(123, 128,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6078, 20.3374, 12.0143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 128, 87) }
```

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

```
.background{ background-color: rgb(123,  
128, 87) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor