

Converting Colors

XYZ(17.5721, 20.3278, 12.4788)

Have a look what the booklet for
XYZ(17.5721, 20.3278, 12.4788)
contains.

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Color

**XYZ(17.5484, 20.2972,
12.4440)**

Conversions

Conversions Part 1

Format	Color
Hex	7A8059
RGB	122, 128, 89
RGB Percent	48%, 50%, 35%
CMY	0.5216, 0.4980, 0.6510
CMYK	0.05, 0.00, 0.30, 0.50
HSL	69°, 18%, 43%
HSV	69°, 30%, 50%
XYZ	17.5484, 20.2972, 12.4440
YIQ	121.7600, 8.9430, -13.4010

Conversions

Conversions Part 2

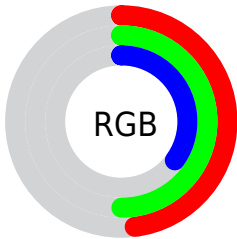
Format	Color
R_{YB}	89, 128, 95
Decimal	8028249
CIE _{Lab}	52.17, -9.13, 20.48
CIE _{LCh}	52, 22.424, 114.034
Yxy	20.2972, 0.3489, 0.4036
Android (android.graphics.Color)	4286218329 (0xFF7A8059)
YUV	121.7600, -16.1507, 0.2105
Hunter-Lab	45.0524, -9.3141, 15.1601

Details

The XYZ color **17.5484, 20.2972, 12.4440** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.1887, 11.1367, 21.9304**, and the grayscale version is **18.4698, 19.4316, 21.1611**.

A 20% lighter version of the original color is **38.8633, 44.0258, 30.8756**, and **5.9797, 7.1828, 3.3568** is the 20% darker color. If you saturate the color by 10%, you get **16.7810, 19.9590, 9.8422**, and if you desaturate by 10%, it is **18.4160, 20.6775, 15.5393**.

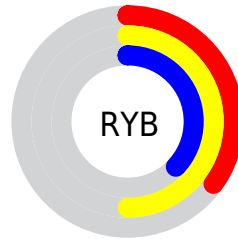
Distribution



Red (48%)

Green (50%)

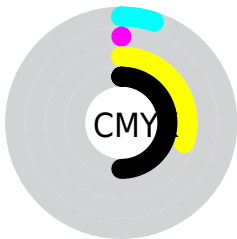
Blue (35%)



Red (35%)

Yellow (50%)

Blue (37%)

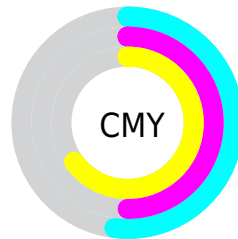


Cyan (5%)

Magenta (0%)

Yellow (30%)

Black (50%)



Cyan (52%)

Magenta (50%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5484, 20.2972, 12.4440 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 17.5484, 20.2972, 12.4440 by changing the saturation by 10% instead.

■ 17.5484, 20.2972,
12.4440

■ 17.5484, 20.2972,
12.4440

231.4083,
253.5195, 218.4041

■ 10.7240, 12.6113,
6.9206

■ 38.8024, 43.9149,
30.9776

■ 5.9475, 7.1614,
3.3348

■ 53.9628, 60.6155,
44.8249

■ 2.8535, 3.5633,
1.2680

■ 72.6324, 81.0897,
62.2840

■ 1.0768, 1.4324,
0.0354

■ 95.1768, 105.7220,
83.7733

■ 0.0056, 0.2404,
0.0000

■ 121.9612,
134.8967, 109.7115

■ 0.0000, 0.0000,
0.0000

153.3510,

168.9983, 140.5170

189.7116,
208.4111, 176.6083

■ 17.5484, 20.2972,
12.4440

■ 17.5484, 20.2972,
12.4440

■ 16.7810, 19.9590,
9.8422

■ 18.4160, 20.6775,
15.5393

■ 16.1074, 19.6584,
7.7070

■ 19.3867, 21.0990,
19.1505

■ 15.5228, 19.3939,
6.0112


■ 20.4653, 21.5643,
23.3000


■ 15.0213, 19.1633,
4.7240


■ 21.6558, 22.0751,
28.0088

■ 14.5962, 18.9640,
3.8108


■ 22.9621, 22.6327,
33.2965


 14.2400, 18.7928,
3.2311

 24.3875, 23.2388,
39.1819

 13.9407, 18.6463,
2.8643

 25.9357, 23.8947,
45.6830

 27.6099, 24.6016,
52.8169

 29.4132, 25.3608,
60.6000

Harmonies

Analogous

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



19.7545, 20.2972, 11.7560



17.5484, 20.2972, 12.4440



15.9335, 20.2972, 15.4728

Triad

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



17.5484, 20.2972, 12.4440



16.8125, 20.2972, 33.9999



24.0264, 20.2972, 23.4410

Complementary

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



17.5484, 20.2972, 12.4440



12.1887, 11.1367, 21.9304

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.



23.0919, 20.2972, 30.3922



17.5484, 20.2972, 12.4440



18.8365, 20.2972, 37.2185

Square

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



17.5484, 20.2972, 12.4440



15.5328, 20.2972, 27.6625



21.1472, 20.2972, 35.7821



23.6132, 20.2972, 17.3385

Rectangle

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



17.5484, 20.2972, 12.4440



15.3496, 20.2972, 18.8004



21.1472, 20.2972, 35.7821



23.8573, 20.2972, 25.7651

Sweetspot

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



17.5489, 20.2981, 12.4444



34.3605, 37.2451, 34.5849



14.7846, 13.4684, 11.2719



7.9914, 8.6970, 7.8950



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.



17.5489, 20.2981, 12.4444



29.8816, 35.2887, 18.4460



15.0765, 19.0235, 12.3287



4.6024, 4.9870, 4.6401



13.8234, 18.4886, 2.8401



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.1887, 11.1367, 21.9304



18.7744, 16.2980, 38.1126



14.4544, 12.3046, 22.0364



4.1658, 4.2411, 5.4123



4.1443, 1.6902, 20.3578



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.5484, 20.2972, 12.4440 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 17.5484, 20.2972, 12.4440 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

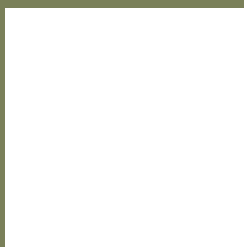
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.5484, 20.2972, 12.4440

Background



This preview shows how black text looks on a background with the XYZ color 17.5484, 20.2972, 12.4440.



This preview shows how white text looks on a background with the XYZ color 17.5484, 20.2972,

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

17.5484, 20.2972, 12.4440

Protanopia

18.7595, 20.1718, 11.9216

Deuteranopia

20.5178, 20.1520, 12.7059



Tritanopia

20.0265, 20.1742, 24.6683

Trichromacy



Original Color

17.5484, 20.2972, 12.4440

Protanomaly

18.3010, 20.1176, 12.1510

Deuteranomaly

19.2862, 20.0605, 12.5284

Tritanomaly

18.9642, 20.1119, 19.4055

Monochromacy



Original Color

17.5484, 20.2972, 12.4440

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.0482, 19.6787, 17.5990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5484, 20.2972, 12.4440 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(122, 128, 89)` looks like.

```
.text, #text, p{  
    color:rgb(122, 128, 89)  
}
```

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(122, 128, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 128, 89) }
```

Border

The CSS property to change the border of an element to XYZ 17.5484, 20.2972, 12.4440 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(122, 128, 89) }
```


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

```
.border{ border-color:rgb(122, 128, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 128, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 128, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 128, 89);  
box-shadow:4px 4px 4px 4px rgb(122, 128,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5484, 20.2972, 12.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 128, 89) }
```

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

```
.background{ background-color: rgb(122,  
128, 89) }
```

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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