

Converting Colors

XYZ(12.6566, 17.6586, 13.1274)

Have a look what the booklet for
XYZ(12.6566, 17.6586, 13.1274)
contains.

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Color

**XYZ(12.7555, 17.8064,
13.1206)**

Conversions

Conversions Part 1

Format	Color
Hex	4D805D
RGB	77, 128, 93
RGB Percent	30%, 50%, 36%
CMY	0.6980, 0.4980, 0.6353
CMYK	0.40, 0.00, 0.27, 0.50
HSL	139°, 25%, 40%
HSV	139°, 40%, 50%
XYZ	12.7555, 17.8064, 13.1206
YIQ	108.7610, -19.1610, -21.6970

Conversions

Conversions Part 2

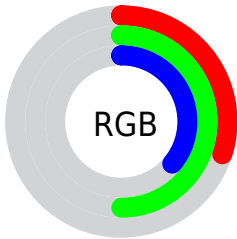
Format	Color
RYB	77, 116, 128
Decimal	5079133
CIELab	49.26, -25.31, 13.73
CIElCh	49, 28.791, 151.513
Yxy	17.8064, 0.2920, 0.4076
Android (android.graphics.Color)	4283269213 (0xFF4D805D)
YUV	108.7610, -7.7702, -27.8544
Hunter-Lab	42.1976, -19.8889, 11.1032

Details

The XYZ color **12.7555, 17.8064, 13.1206** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.4812, 11.0672, 16.7028**, and the grayscale version is **14.4937, 15.2485, 16.6056**.

A 20% lighter version of the original color is **30.3839, 39.6201, 32.0326**, and **3.6895, 5.8870, 3.6312** is the 20% darker color. If you saturate the color by 10%, you get **11.4557, 17.1792, 11.1442**, and if you desaturate by 10%, it is **14.3043, 18.5577, 15.3428**.

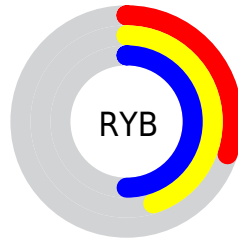
Distribution



Red (30%)

Green (50%)

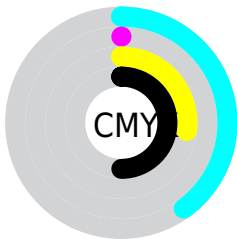
Blue (36%)



Red (30%)

Yellow (45%)

Blue (50%)

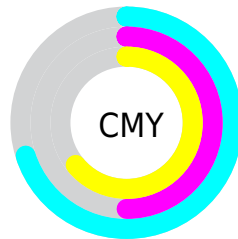


Cyan (40%)

Magenta (0%)

Yellow (27%)

Black (50%)



Cyan (70%)

Magenta (50%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7555, 17.8064, 13.1206 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 12.7555, 17.8064, 13.1206 by changing the saturation by 10% instead.


 12.7555, 17.8064,
13.1206


 12.7555, 17.8064,
13.1206


203.0141,
239.7775, 222.9240


 7.3362, 10.8111,
7.3799

 30.4689, 39.7072,
32.2146


 3.7214, 5.9399,
3.6188

 43.4937, 55.3814,
46.4051


 1.5458, 2.8086,
1.4186

 59.7845, 74.7174,
64.2492

 0.3567, 1.0326,
0.1562

 79.7065, 98.0995,
86.1656

 0.0000, 0.0000,
0.0000

 103.6251,
125.9122, 112.5727

131.9057,

158.5399, 143.8891

164.9136,
196.3668, 180.5334

■ 12.7555, 17.8064,
13.1206

■ 12.7555, 17.8064,
13.1206

■ 11.4557, 17.1792,
11.1442

■ 14.3043, 18.5577,
15.3428

■ 10.3898, 16.6672,
9.4039

■ 16.1130, 19.4373,
17.8177

■ 9.5437, 16.2636,
7.8911

■ 18.1938, 20.4516,
20.5533

■ 8.9006, 15.9601,
6.5962

■ 20.5575, 21.6060,
23.5571

■ 8.4415, 15.7470,
5.5090

■ 23.2143, 22.9059,
26.8361

■ 8.1100, 15.5955,
4.6166

■ 26.1740, 24.3559,
30.3970

■ 8.1052, 15.5933,
4.6041

■ 29.4459, 25.9608,
34.2466

■ 33.0389, 27.7251,
38.3910

■ 36.9616, 29.6529,
42.8365

Harmonies

Analogous

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



14.3509, 17.8064, 9.2666



12.7555, 17.8064, 13.1206



12.2429, 17.8064, 19.7837

Triad

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



12.7555, 17.8064, 13.1206



17.0620, 17.8064, 38.3960



21.7526, 17.8064, 12.6030

Complementary

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



12.7555, 17.8064, 13.1206



14.4812, 11.0672, 16.7028

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.



22.6690, 17.8064, 18.9979



12.7555, 17.8064, 13.1206



19.7886, 17.8064, 35.0453

Square

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



12.7555, 17.8064, 13.1206



14.5648, 17.8064, 35.6316



21.9152, 17.8064, 27.3884



19.5261, 17.8064, 9.0285

Rectangle

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



12.7555, 17.8064, 13.1206



12.5355, 17.8064, 25.3740



21.9152, 17.8064, 27.3884



22.2341, 17.8064, 14.4265

Sweetspot

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



12.7560, 17.8071, 13.1210



31.0957, 35.5501, 34.9716



15.8309, 19.4658, 9.9443



7.1888, 8.2786, 8.0684



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.



12.7560, 17.8071, 13.1210



20.3236, 30.3201, 19.8633



14.0384, 18.3201, 19.8742



4.3273, 4.8393, 4.8948



8.0371, 15.4614, 4.5682



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.4812, 11.0672, 16.7028



23.8086, 16.6828, 27.0829



13.2849, 10.5887, 10.4036



4.4425, 4.3902, 5.1348



10.5679, 5.2468, 9.5802



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.7555, 17.8064, 13.1206 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 12.7555, 17.8064, 13.1206 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 12.7555, 17.8064, 13.1206

Background



This preview shows how black text looks on a background with the XYZ color 12.7555, 17.8064, 13.1206.



This preview shows how white text looks on a background with the XYZ color 12.7555, 17.8064,

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

12.7555, 17.8064, 13.1206

Protanopia

16.4643, 17.5553, 11.7533

Deuteranopia

17.8972, 17.5838, 13.5171



Tritanopia

15.1543, 17.8378, 24.8346

Trichromacy



Original Color

12.7555, 17.8064, 13.1206

Protanomaly

14.7463, 17.3593, 12.2463

Deuteranomaly

15.4834, 17.3605, 13.3613

Tritanomaly

14.1709, 17.8142, 19.8311

Monochromacy



Original Color

12.7555, 17.8064, 13.1206

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.6233, 16.0114, 15.2045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7555, 17.8064, 13.1206 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(77, 128, 93)` looks like.

```
.text, #text, p{  
    color:rgb(77, 128, 93)  
}
```

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(77, 128, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 128, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.7555, 17.8064, 13.1206 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(77, 128, 93) }
```


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

```
.border{ border-color:rgb(77, 128, 93) }
```

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

Here you see how a box with a 4 pixel rgb(77, 128, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 128, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 128, 93);  
box-shadow:4px 4px 4px 4px rgb(77, 128,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7555, 17.8064, 13.1206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 128, 93) }
```

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

```
.background{ background-color: rgb(77, 128,  
93) }
```

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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