

Converting Colors

XYZ(13.2019, 17.2230, 12.7783)

Have a look what the booklet for
XYZ(13.2019, 17.2230, 12.7783)
contains.

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Color

**XYZ(13.2592, 17.3119,
12.7679)**

Conversions

Conversions Part 1

Format	Color
Hex	597C5C
RGB	89, 124, 92
RGB Percent	35%, 49%, 36%
CMY	0.6510, 0.5137, 0.6392
CMYK	0.28, 0.00, 0.26, 0.51
HSL	125°, 16%, 42%
HSV	125°, 28%, 49%
XYZ	13.2592, 17.3119, 12.7679
YIQ	109.8870, -10.5880, -17.3720

Conversions

Conversions Part 2

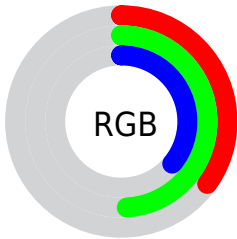
Format	Color
R_{YB}	89, 121, 124
Decimal	5864540
CIE Lab	48.65, -19.35, 13.57
CIE LCh	49, 23.637, 144.951
Yxy	17.3119, 0.3059, 0.3995
Android (android.graphics.Color)	4284054620 (0xFF597C5C)
YUV	109.8870, -8.8183, -18.3179
Hunter-Lab	41.6076, -15.9302, 10.9313

Details

The XYZ color **13.2592, 17.3119, 12.7679** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.3363, 12.8106, 19.7541**, and the grayscale version is **14.8156, 15.5872, 16.9744**.

A 20% lighter version of the original color is **31.4198, 38.9727, 31.4577**, and **3.9641, 5.7217, 3.4802** is the 20% darker color. If you saturate the color by 10%, you get **11.7090, 16.5663, 10.2992**, and if you desaturate by 10%, it is **15.0850, 18.1920, 15.6375**.

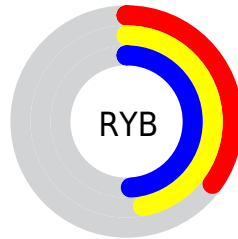
Distribution



Red (35%)

Green (49%)

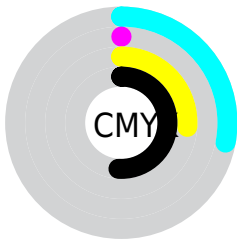
Blue (36%)



Red (35%)

Yellow (47%)

Blue (49%)

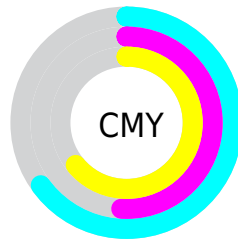


Cyan (28%)

Magenta (0%)

Yellow (26%)

Black (51%)



Cyan (65%)


Magenta (51%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2592, 17.3119, 12.7679 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 13.2592, 17.3119, 12.7679 by changing the saturation by 10% instead.


 13.2592, 17.3119,
12.7679


 13.2592, 17.3119,
12.7679


206.1764,
236.9634, 220.5801


 7.6855, 10.4571,
7.1401


 31.3660, 38.8613,
31.5712


 3.9445, 5.7031,
3.4701

 44.6299, 54.3246,
45.5838


 1.6708, 2.6654,
1.3394

 61.1878, 73.4263,
63.2284

 0.4379, 0.9596,
0.0937

 81.4052, 96.5507,
84.9235

 0.0000, 0.0000,
0.0000

 105.6474,
124.0823, 111.0877

134.2798,

156.4053, 142.1395

167.6677,
193.9042, 178.4974

■ 13.2592, 17.3119,
12.7679

■ 13.2592, 17.3119,
12.7679

■ 11.7090, 16.5663,
10.2992

■ 15.0850, 18.1920,
15.6375

■ 10.4197, 15.9465,
8.2124

■ 17.1974, 19.2104,
18.9234

■ 9.3773, 15.4462,
6.4888

■ 19.6085, 20.3736,
22.6419

■ 8.5660, 15.0577,
5.1077

■ 22.3295, 21.6869,
26.8076

■ 7.9681, 14.7723,
4.0462

■ 25.3706, 23.1554,
31.4350

■ 7.5632, 14.5801,
3.2786

■ 28.7419, 24.7840,
36.5374

■ 7.3059, 14.4584,
2.7745

■ 32.4529, 26.5771,
42.1280

■ 7.2663, 14.4394,
2.7097

■ 36.5127, 28.5395,
48.2192

■ 40.9302, 30.6752,
54.8230

Harmonies

Analogous

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



14.7506, 17.3119, 9.9339



13.2592, 17.3119, 12.7679



12.6261, 17.3119, 17.8139

Triad

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



13.2592, 17.3119, 12.7679



16.0887, 17.3119, 33.4953



20.5501, 17.3119, 14.2303

Complementary

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



13.2592, 17.3119, 12.7679



15.3363, 12.8106, 19.7541

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.



20.9875, 17.3119, 19.9249



13.2592, 17.3119, 12.7679



18.2847, 17.3119, 31.9462

Square

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



13.2592, 17.3119, 12.7679



14.1651, 17.3119, 30.4693



20.1257, 17.3119, 26.6087



18.9780, 17.3119, 10.6385

Rectangle

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



13.2592, 17.3119, 12.7679



12.7316, 17.3119, 22.1157



20.1257, 17.3119, 26.6087



20.8403, 17.3119, 15.9222

Sweetspot

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



13.2597, 17.3126, 12.7683



30.2769, 33.8114, 33.3224



16.9084, 19.2085, 12.2676



7.0091, 7.9044, 7.6596



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.2597, 17.3126, 12.7683



21.4845, 29.5749, 19.5322



14.1107, 17.6531, 17.2500



3.9636, 4.4550, 4.3419



7.3860, 14.6781, 2.7518



35.0933, 69.9604, 12.3954

Inverse Universe

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



15.3363, 12.8106, 19.7541



25.7824, 20.2540, 33.9882



14.3626, 12.4211, 14.6268



4.1404, 4.0719, 4.9369



11.5009, 5.5765, 16.4604



54.7042, 26.5380, 77.6955

Previews

White Background



This preview shows how the XYZ color 13.2592, 17.3119, 12.7679 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 13.2592, 17.3119, 12.7679 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 13.2592, 17.3119, 12.7679

Background



This preview shows how black text looks on a background with the XYZ color 13.2592, 17.3119, 12.7679.



This preview shows how white text looks on a background with the XYZ color 13.2592, 17.3119,

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

13.2592, 17.3119, 12.7679

Protanopia

16.0606, 17.1770, 11.7015

Deuteranopia

17.4229, 17.1816, 13.2246



Tritanopia

15.3831, 17.2654, 23.2907

Trichromacy



Original Color

13.2592, 17.3119, 12.7679

Protanomaly

14.8372, 17.0576, 11.9616

Deuteranomaly

15.6019, 17.0808, 13.0643

Tritanomaly

14.5040, 17.2629, 19.0906

Monochromacy



Original Color

13.2592, 17.3119, 12.7679

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.0584, 16.0655, 15.1920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2592, 17.3119, 12.7679 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(89, 124, 92)` looks like.

```
.text, #text, p{  
    color:rgb(89, 124, 92)  
}
```

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(89, 124, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 124, 92) }
```

Border

The CSS property to change the border of an element to XYZ 13.2592, 17.3119, 12.7679 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(89, 124, 92) }
```


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

```
.border{ border-color:rgb(89, 124, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 124, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 124, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 124, 92);  
box-shadow:4px 4px 4px 4px rgb(89, 124,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2592, 17.3119, 12.7679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 124, 92) }
```

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

```
.background{ background-color: rgb(89, 124,  
92) }
```

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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