

Converting Colors

XYZ(16.1518, 17.4982, 12.8626)

Have a look what the booklet for
XYZ(16.1518, 17.4982, 12.8626)
contains.

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Color

**XYZ(16.2222, 17.5778,
12.8938)**

Conversions

Conversions Part 1

Format	Color
Hex	79755D
RGB	121, 117, 93
RGB Percent	47%, 46%, 36%
CMY	0.5255, 0.5412, 0.6353
CMYK	0.00, 0.03, 0.23, 0.53
HSL	51°, 13%, 42%
HSV	51°, 23%, 47%
XYZ	16.2222, 17.5778, 12.8938
YIQ	115.4600, 10.0880, -6.6160

Conversions

Conversions Part 2

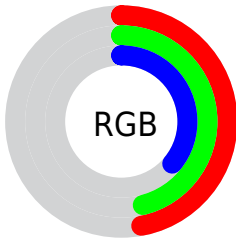
Format	Color
RYB	98, 121, 93
Decimal	7959901
CIELab	48.98, -2.74, 13.82
CIElCh	49, 14.089, 101.200
Yxy	17.5778, 0.3474, 0.3764
Android (android.graphics.Color)	4286149981 (0xFF79755D)
YUV	115.4600, -11.0728, 4.8586
Hunter-Lab	41.9259, -4.3041, 11.1142

Details

The XYZ color **16.2222, 17.5778, 12.8938** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.2400, 12.2568, 19.8099**, and the grayscale version is **16.4663, 17.3239, 18.8657**.

A 20% lighter version of the original color is **36.6015, 39.3578, 31.6543**, and **5.3137, 5.8392, 3.5363** is the 20% darker color. If you saturate the color by 10%, you get **15.5289, 16.9820, 10.2245**, and if you desaturate by 10%, it is **17.0050, 18.2165, 16.0118**.

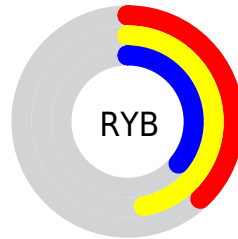
Distribution



Red (47%)

Green (46%)

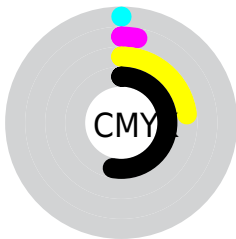
Blue (36%)



Red (38%)

Yellow (47%)

Blue (36%)

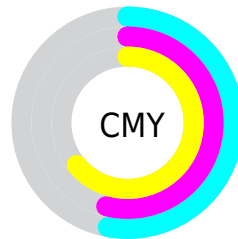


Cyan (0%)

Magenta (3%)

Yellow (23%)

Black (53%)



Cyan (53%)

Magenta (54%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2222, 17.5778, 12.8938 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 16.2222, 17.5778, 12.8938 by changing the saturation by 10% instead.

■ 16.2222, 17.5778,
12.8938

■ 16.2222, 17.5778,
12.8938

223.8940,
238.4804, 221.4198

■ 9.7734, 10.6473,
7.2256

■ 36.5379, 39.3166,
31.8012

■ 5.3101, 5.8302,
3.5230

■ 51.1354, 54.8936,
45.8776

■ 2.4669, 2.7421,
1.3675

■ 69.1799, 74.1217,
63.5937

■ 0.8786, 0.9986,
0.1162

■ 91.0367, 97.3851,
85.3681

■ 0.0000, 0.0000,
0.0000

117.0712,
125.0683, 111.6194

147.6486,

157.5557, 142.7660

183.1345,
195.2316, 179.2267

■ 16.2222, 17.5778,
12.8938

■ 16.2222, 17.5778,
12.8938

■ 15.5289, 16.9820,
10.2245

■ 17.0050, 18.2165,
16.0118

■ 14.9197, 16.4251,
7.9819

■ 17.8796, 18.8974,
19.5969

■ 14.3907, 15.9063,
6.1437

■ 18.8500, 19.6226,
23.6680

■ 13.9372, 15.4234,
4.6850

■ 19.9195, 20.3934,
28.2426

■ 13.5540, 14.9745,
3.5785

■ 21.0913, 21.2113,
33.3370

■ 13.2352, 14.5571,
2.7929

■ 22.3685, 22.0773,
38.9673

■ 12.9732, 14.1683,
2.2894

■ 23.7538, 22.9928,
45.1485

■ 12.8080, 13.9106,
2.0100

■ 25.2501, 23.9588,
51.8951

■ 26.8601, 24.9765,
59.2211

Harmonies

Analogous

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



17.5329, 17.5778, 13.0851



16.2222, 17.5778, 12.8938



15.1008, 17.5778, 14.2041

Triad

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



16.2222, 17.5778, 12.8938



14.8810, 17.5778, 24.3005



19.2094, 17.5778, 21.5618

Complementary

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



16.2222, 17.5778, 12.8938



12.2400, 12.2568, 19.8099

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.



18.4236, 17.5778, 25.1026



16.2222, 17.5778, 12.8938



15.9078, 17.5778, 26.8210

Square

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



16.2222, 17.5778, 12.8938



14.3539, 17.5778, 20.5764



17.2017, 17.5778, 27.1323



19.3045, 17.5778, 17.7706

Rectangle

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



16.2222, 17.5778, 12.8938



14.5937, 17.5778, 15.8671



17.2017, 17.5778, 27.1323



19.0155, 17.5778, 22.8329

Sweetspot

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



16.2227, 17.5786, 12.8942



31.3652, 33.3387, 32.3992



13.9667, 12.7607, 13.0854



7.1570, 7.6115, 7.3478



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.2227, 17.5786, 12.8942



28.3406, 30.8756, 20.3354



15.3940, 17.8576, 12.9917



4.2613, 4.5411, 4.2764



13.7196, 14.8951, 2.1519



64.9693, 70.1020, 10.1068

Inverse Universe

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



12.2400, 12.2568, 19.8099



19.8325, 19.5077, 35.1130



12.9363, 12.0812, 19.7393



3.8396, 3.9774, 5.0085



3.9122, 1.9068, 19.5471



18.2742, 8.3210, 93.1127

Previews

White Background



This preview shows how the XYZ color 16.2222, 17.5778, 12.8938 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 16.2222, 17.5778, 12.8938 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

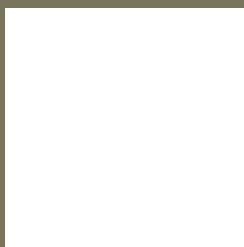
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2222, 17.5778, 12.8938

Background



This preview shows how black text looks on a background with the XYZ color 16.2222, 17.5778, 12.8938.



This preview shows how white text looks on a background with the XYZ color 16.2222, 17.5778,

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

16.2222, 17.5778, 12.8938

Protanopia

16.5334, 17.5662, 12.8751

Deuteranopia

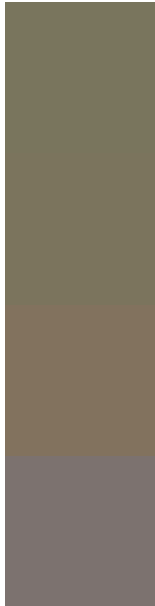
17.8062, 17.5474, 13.0382



Tritanopia

17.8754, 17.5754, 20.8626

Trichromacy



Original Color

16.2222, 17.5778, 12.8938

Protanomaly

16.3896, 17.4920, 12.8684

Deuteranomaly

17.2436, 17.5886, 13.0758

Tritanomaly

17.1987, 17.4674, 17.5040

Monochromacy



Original Color

16.2222, 17.5778, 12.8938

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.2354, 17.3342, 16.4001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2222, 17.5778, 12.8938 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(121, 117, 93)` looks like.

```
.text, #text, p{  
    color:rgb(121, 117, 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(121, 117, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 117, 93) }
```

Border

The CSS property to change the border of an element to XYZ 16.2222, 17.5778, 12.8938 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(121, 117, 93) }
```


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

```
.border{ border-color:rgb(121, 117, 93) }
```

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

Here you see how a box with a 4 pixel rgb(121, 117, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 117, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 117, 93);  
box-shadow:4px 4px 4px 4px rgb(121, 117,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2222, 17.5778, 12.8938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 117, 93) }
```

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

```
.background{ background-color: rgb(121,  
117, 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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