

Converting Colors

XYZ(11.7752, 12.3982, 12.6785)

Have a look what the booklet for
XYZ(11.7752, 12.3982, 12.6785)
contains.

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Color

**XYZ(11.7829, 12.4592,
12.6103)**

Conversions

Conversions Part 1

Format	Color
Hex	64635F
RGB	100, 99, 95
RGB Percent	39%, 39%, 37%
CMY	0.6078, 0.6118, 0.6274
CMYK	0.00, 0.01, 0.05, 0.61
HSL	48°, 3%, 38%
HSV	48°, 5%, 39%
XYZ	11.7829, 12.4592, 12.6103
YIQ	98.8430, 1.8800, -1.0320

Conversions

Conversions Part 2

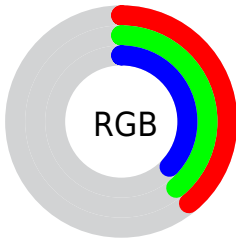
Format	Color
RYB	96, 100, 95
Decimal	6579039
CIELab	41.94, -0.42, 2.40
CIELCh	42, 2.439, 99.840
Yxy	12.4592, 0.3197, 0.3381
Android (android.graphics.Color)	4284769119 (0xFF64635F)
YUV	98.8430, -1.8946, 1.0147
Hunter-Lab	35.2976, -2.1846, 3.5266

Details

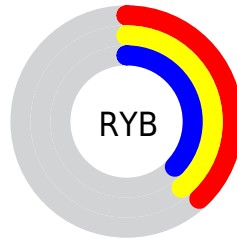
The XYZ color **11.7829, 12.4592, 12.6103** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.2024, 11.7185, 13.7282**, and the grayscale version is **11.8248, 12.4406, 13.5478**.

A 20% lighter version of the original color is **28.7797, 30.4363, 31.1460**, and **3.2957, 3.5248, 3.4124** is the 20% darker color. If you saturate the color by 10%, you get **11.1706, 11.9158, 10.3057**, and if you desaturate by 10%, it is **12.4590, 13.0364, 15.2244**.

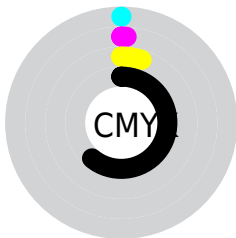
Distribution



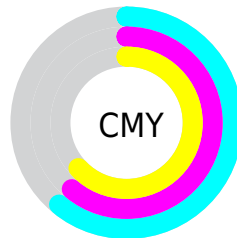
- Red (39%)
- Green (39%)
- Blue (37%)



- Red (38%)
- Yellow (39%)
- Blue (37%)



- Cyan (0%)
- Magenta (1%)
- Yellow (5%)
- Black (61%)



- Cyan (61%)
- Magenta (61%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7829, 12.4592, 12.6103 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 11.7829, 12.4592, 12.6103 by changing the saturation by 10% instead.

■ 11.7829, 12.4592,
12.6103

■ 11.7829, 12.4592,
12.6103

196.7621,
207.4221, 219.5242

■ 6.6672, 7.0572,
7.0332

■ 28.7194, 30.3287,
31.2827

■ 3.2993, 3.4979,
3.4041

■ 41.2708, 43.5651,
45.2151

■ 1.3139, 1.3969,
1.3045

■ 57.0316, 60.1817,
62.7697

■ 0.1936, 0.2144,
0.0655

■ 76.3670, 80.5629,
84.3650

■ 0.0000, 0.0000,
0.0000

99.6424, 105.0931,
110.4196

127.2231,

134.1568, 141.3519

159.4746,
168.1383, 177.5806

■ 11.7829, 12.4592,
12.6103

■ 11.7829, 12.4592,
12.6103

■ 11.1706, 11.9158,
10.3057

■ 12.4590, 13.0364,
15.2244

■ 10.6188, 11.4037,
8.2982

■ 13.1998, 13.6466,
18.1582

■ 10.1253, 10.9222,
6.5757

■ 14.0079, 14.2913,
21.4225

■ 9.6878, 10.4705,
5.1249

■ 14.8851, 14.9712,
25.0272

■ 9.3035, 10.0473,
3.9316

■ 15.8333, 15.6873,
28.9819

■ 8.9693, 9.6514,
2.9803

■ 16.8542, 16.4402,
33.2957

■ 8.6819, 9.2813,
2.2536

■ 17.9495, 17.2306,
37.9776

■ 8.4377, 8.9356,
1.7320

■ 19.1209, 18.0593,
43.0360

■ 8.2283, 8.6109,
1.3720

■ 20.3701, 18.9270,
48.4792

Harmonies

Analogous

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



11.9621, 12.4592, 12.6544



11.7829, 12.4592, 12.6103



11.6212, 12.4592, 12.8172

Triad

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



11.7829, 12.4592, 12.6103



11.5777, 12.4592, 14.2125



12.1708, 12.4592, 13.9113

Complementary

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



11.7829, 12.4592, 12.6103



11.2024, 11.7185, 13.7282

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.



12.0658, 12.4592, 14.3433



11.7829, 12.4592, 12.6103



11.7229, 12.4592, 14.5202

Square

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



11.7829, 12.4592, 12.6103



11.5035, 12.4592, 13.7365



11.9015, 12.4592, 14.5687



12.1872, 12.4592, 13.3968

Rectangle

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



11.7829, 12.4592, 12.6103



11.5446, 12.4592, 13.0728



11.9015, 12.4592, 14.5687



12.1446, 12.4592, 14.0713

Sweetspot

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



11.7832, 12.4597, 12.6106



21.1142, 22.2377, 23.8611



11.4592, 11.7384, 12.7283



5.1978, 5.4738, 5.8809



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



11.7832, 12.4597, 12.6106



20.5253, 21.7282, 21.6049



11.7140, 12.5653, 12.6346



3.0400, 3.2184, 3.1960



10.8512, 11.2555, 1.6006



55.9726, 57.4591, 8.1406

Inverse Universe

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



11.2024, 11.7185, 13.7282



19.2769, 20.1350, 24.0071



11.2693, 11.6187, 13.7054



2.8525, 2.9792, 3.5567



3.3846, 1.8411, 16.3213



17.1361, 8.5688, 84.9522

Previews

White Background



This preview shows how the XYZ color 11.7829, 12.4592, 12.6103 looks on a white background.

Color Contrast Check

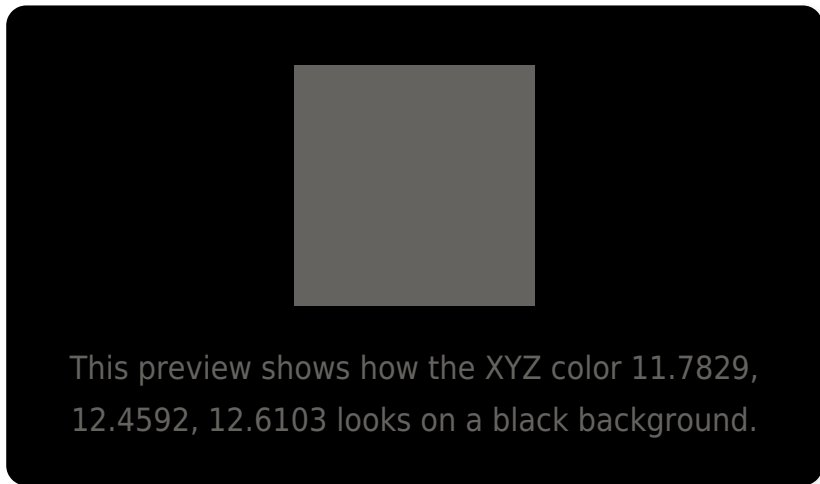
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

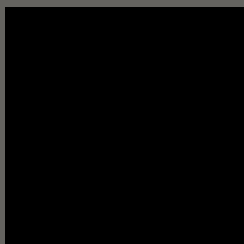
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

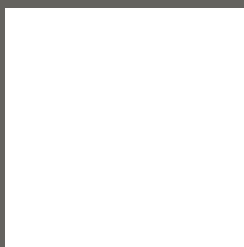
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7829, 12.4592, 12.6103

Background



This preview shows how black text looks on a background with the XYZ color 11.7829, 12.4592, 12.6103.



This preview shows how white text looks on a background with the XYZ color 11.7829, 12.4592,

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

11.7829, 12.4592, 12.6103

Protanopia

11.9127, 12.3864, 12.5894

Deuteranopia

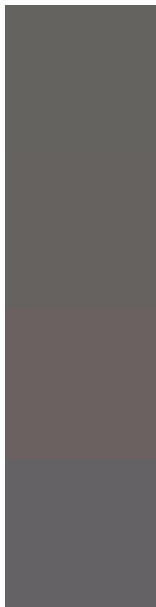
12.7246, 12.5253, 12.8133



Tritanopia

12.3040, 12.3941, 15.1084

Trichromacy



Original Color

11.7829, 12.4592, 12.6103

Protanomaly

11.8001, 12.3283, 12.5841

Deuteranomaly

12.3299, 12.4581, 12.8211

Tritanomaly

12.0835, 12.4417, 14.0765

Monochromacy



Original Color

11.7829, 12.4592, 12.6103

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.8120, 12.4582, 13.3374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7829, 12.4592, 12.6103 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(100, 99, 95)` looks like.

```
.text, #text, p{  
    color:rgb(100, 99, 95)  
}
```

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(100, 99, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 99, 95) }
```

Border

The CSS property to change the border of an element to XYZ 11.7829, 12.4592, 12.6103 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(100, 99, 95) }
```


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

```
.border{ border-color:rgb(100, 99, 95) }
```

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

Here you see how a box with a 4 pixel rgb(100, 99, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 99, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 99, 95);  
box-shadow:4px 4px 4px 4px rgb(100, 99,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7829, 12.4592, 12.6103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 99, 95) }
```

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

```
.background{ background-color: rgb(100, 99,  
95) }
```

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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