

Converting Colors

XYZ(11.7447, 12.7267, 16.5895)

Have a look what the booklet for
XYZ(11.7447, 12.7267, 16.5895)
contains.

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Color

**XYZ(11.7823, 12.8022,
16.6019)**

Conversions

Conversions Part 1

Format	Color
Hex	5A666E
RGB	90, 102, 110
RGB Percent	35%, 40%, 43%
CMY	0.6471, 0.6000, 0.5686
CMYK	0.18, 0.07, 0.00, 0.57
HSL	204°, 10%, 39%
HSV	204°, 18%, 43%
XYZ	11.7823, 12.8022, 16.6019
YIQ	99.3240, -9.7200, -0.0560

Conversions

Conversions Part 2

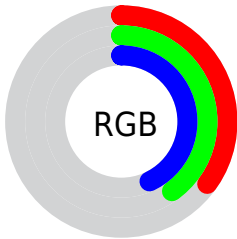
Format	Color
R_{YB}	90, 98, 110
Decimal	5924462
CIE Lab	42.46, -2.69, -6.05
CIE LCh	42, 6.620, 246.005
Yxy	12.8022, 0.2861, 0.3108
Android (android.graphics.Color)	4284114542 (0xFF5A666E)
YUV	99.3240, 5.2633, -8.1771
Hunter-Lab	35.7802, -3.8358, -2.4643

Details

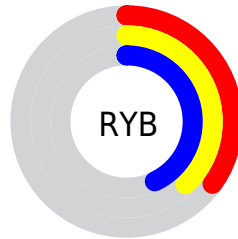
The XYZ color **11.7823, 12.8022, 16.6019** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6436, 12.7885, 11.4752**, and the grayscale version is **11.9307, 12.5520, 13.6691**.

A 20% lighter version of the original color is **28.7280, 30.9665, 38.6454**, and **3.2744, 3.6156, 5.0827** is the 20% darker color. If you saturate the color by 10%, you get **10.3697, 11.4494, 16.4154**, and if you desaturate by 10%, it is **13.3770, 14.2836, 16.8040**.

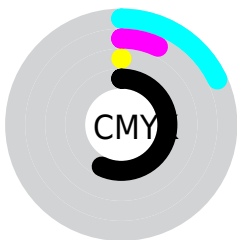
Distribution



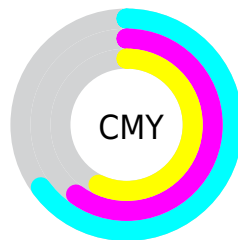
- Red (35%)
- Green (40%)
- Blue (43%)



- Red (35%)
- Yellow (38%)
- Blue (43%)



- Cyan (18%)
- Magenta (7%)
- Yellow (0%)
- Black (57%)



- Cyan (65%)
- Magenta (60%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7823, 12.8022, 16.6019 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 11.7823, 12.8022, 16.6019 by changing the saturation by 10% instead.

■ 11.7823, 12.8022,
16.6019

■ 11.7823, 12.8022,
16.6019

196.7582,
209.6461, 244.8335

■ 6.6668, 7.2925,
9.7921

■ 28.7183, 30.9480,
38.4212

■ 3.2990, 3.6457,
5.1575

■ 41.2695, 44.3528,
54.2679

■ 1.3138, 1.4774,
2.2796

■ 57.0299, 61.1581,
73.9639

■ 0.1935, 0.2727,
0.7198

■ 76.3649, 81.7484,
97.9278

■ 0.0000, 0.0000,
0.0000

■ 99.6399, 106.5079,
126.5782

127.2202,

135.8211, 160.3336

159.4712,
170.0723, 199.6125

■ 11.7823, 12.8022,
16.6019

■ 11.7823, 12.8022,
16.6019

■ 10.3697, 11.4494,
16.4154

■ 13.3770, 14.2836,
16.8040

■ 9.1308, 10.2193,
16.2433

■ 15.1595, 15.8961,
17.0213

■ 8.0581, 9.1080,
16.0853

■ 17.1367, 17.6440,
17.2545

■ 7.1432, 8.1104,
15.9410

■ 19.3146, 19.5310,
17.5039

■ 6.3768, 7.2214,
15.8098

■ 21.6993, 21.5606,
17.7700

■ 5.7487, 6.4349,
15.6911

■ 24.2963, 23.7362,
18.0530

■ 5.2470, 5.7443,
15.5842

■ 27.1110, 26.0610,
18.3534

■ 4.8353, 5.1303,
15.4874

■ 30.1486, 28.5381,
18.6714

■ 4.7632, 5.0232,
15.4706

■ 33.4141, 31.1707,
19.0075

Harmonies

Analogous

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



11.4087, 12.8022, 15.6169



11.7823, 12.8022, 16.6019



12.2687, 12.8022, 16.8529

Triad

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



11.7823, 12.8022, 16.6019



13.1469, 12.8022, 13.6541



11.6131, 12.8022, 11.8337

Complementary

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



11.7823, 12.8022, 16.6019



12.6436, 12.7885, 11.4752

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.



12.0681, 12.8022, 11.3827



11.7823, 12.8022, 16.6019



12.9604, 12.8022, 12.3865

Square

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



11.7823, 12.8022, 16.6019



13.0653, 12.8022, 15.0863



12.5622, 12.8022, 11.5780



11.3129, 12.8022, 12.8522

Rectangle

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



11.7823, 12.8022, 16.6019



12.5934, 12.8022, 16.5562



12.5622, 12.8022, 11.5780



11.7525, 12.8022, 11.6140

Sweetspot

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



11.7827, 12.8027, 16.6022



24.4110, 25.9229, 29.6243



11.9815, 14.2013, 13.5828



5.6435, 5.9987, 6.8892



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



11.7827, 12.8027, 16.6022



19.5608, 21.4097, 29.0088



10.8873, 11.0119, 16.3037



3.3684, 3.6021, 4.2720



5.6932, 5.9767, 18.5752



27.4998, 28.0514, 92.2442

Inverse Universe

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



12.4851, 11.5869, 14.1494



21.0646, 18.8927, 23.7386



13.6035, 14.7083, 11.7952



3.4606, 3.4320, 3.9524



8.8920, 4.4492, 6.5071



43.8606, 21.9896, 30.1276

Previews

White Background



This preview shows how the XYZ color 11.7823, 12.8022, 16.6019 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 11.7823, 12.8022, 16.6019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

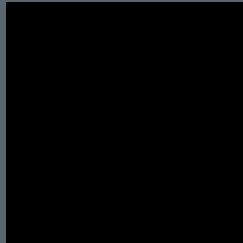
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

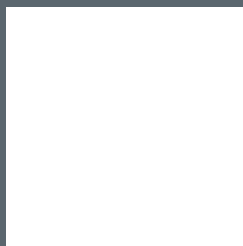
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7823, 12.8022, 16.6019

Background



This preview shows how black text looks on a background with the XYZ color 11.7823, 12.8022, 16.6019.



This preview shows how white text looks on a background with the XYZ color 11.7823, 12.8022,

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

11.7823, 12.8022, 16.6019

Protanopia

12.3142, 12.6590, 15.9818

Deuteranopia

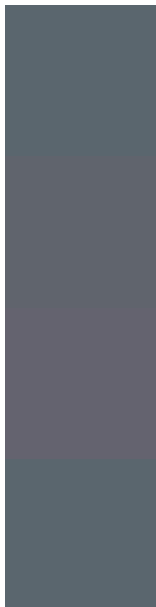
12.9696, 12.7003, 16.8068



Tritanopia

11.7823, 12.8022, 16.6019

Trichromacy



Original Color

11.7823, 12.8022, 16.6019

Protanomaly

12.1414, 12.7053, 16.2804

Deuteranomaly

12.5866, 12.7807, 16.8425

Tritanomaly

11.7823, 12.8022, 16.6019

Monochromacy



Original Color

11.7823, 12.8022, 16.6019

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.8292, 12.5804, 14.6368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7823, 12.8022, 16.6019 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(90, 102, 110) looks like.

```
.text, #text, p{  
    color:rgb(90, 102, 110)  
}
```

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(90, 102, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 102, 110) }
```

Border

The CSS property to change the border of an element to XYZ 11.7823, 12.8022, 16.6019 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(90, 102, 110) }
```


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

```
.border{ border-color:rgb(90, 102, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 102, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 102, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 102, 110);  
box-shadow:4px 4px 4px 4px rgb(90, 102,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7823, 12.8022, 16.6019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 102, 110) }
```

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

```
.background{ background-color: rgb(90, 102,  
110) }
```

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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