

Converting Colors

XYZ(12.7257, 12.9841, 19.4371)

Have a look what the booklet for
XYZ(12.7257, 12.9841, 19.4371)
contains.

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Color

**XYZ(12.7108, 12.9330,
19.2792)**

Conversions

Conversions Part 1

Format	Color
Hex	606477
RGB	96, 100, 119
RGB Percent	38%, 39%, 47%
CMY	0.6235, 0.6078, 0.5333
CMYK	0.19, 0.16, 0.00, 0.53
HSL	230°, 11%, 42%
HSV	230°, 19%, 47%
XYZ	12.7108, 12.9330, 19.2792
YIQ	100.9700, -8.4830, 5.0610

Conversions

Conversions Part 2

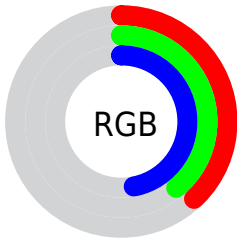
Format	Color
R_{YB}	96, 99, 119
Decimal	6317175
CIE _{Lab}	42.66, 2.84, -11.17
CIE _{LCh}	43, 11.520, 284.255
Yxy	12.9330, 0.2829, 0.2879
Android (android.graphics.Color)	4284507255 (0xFF606477)
YUV	100.9700, 8.8888, -4.3587
Hunter-Lab	35.9625, 0.1558, -6.6112

Details

The XYZ color **12.7108, 12.9330, 19.2792** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.8500, 17.0280, 13.5180**, and the grayscale version is **12.3415, 12.9843, 14.1399**.

A 20% lighter version of the original color is **30.4499, 31.2765, 42.9602**, and **3.7231, 3.7462, 6.4881** is the 20% darker color. If you saturate the color by 10%, you get **10.6657, 10.5628, 18.9297**, and if you desaturate by 10%, it is **15.0600, 15.6296, 19.6761**.

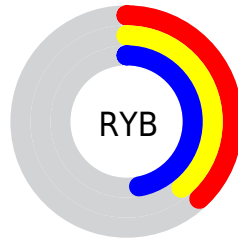
Distribution



Red (38%)

Green (39%)

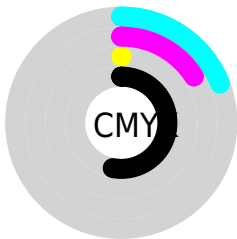
Blue (47%)



Red (38%)

Yellow (39%)

Blue (47%)

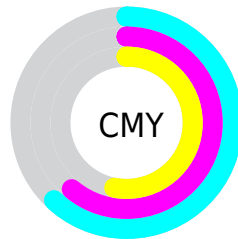


Cyan (19%)

Magenta (16%)

Yellow (0%)

Black (53%)



Cyan (62%)

Magenta (61%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7108, 12.9330, 19.2792 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 12.7108, 12.9330, 19.2792 by changing the saturation by 10% instead.

■ 12.7108, 12.9330,
19.2792

■ 12.7108, 12.9330,
19.2792

202.7311,
210.4878, 260.4597

■ 7.3053, 7.3824,
11.6933

■ 30.3890, 31.1834,
43.0483

■ 3.7018, 3.7024,
6.4152

■ 43.3924, 44.6519,
60.0687

■ 1.5349, 1.5085,
3.0263

■ 59.6592, 61.5286,
81.0709

■ 0.3494, 0.2947,
1.1081

■ 79.5547, 82.1979,
106.4736

■ 0.0000, 0.0000,
0.0000

103.4443,
107.0440, 136.6953

131.6933,

136.4514, 172.1545

164.6672,
170.8046, 213.2698

■ 12.7108, 12.9330,
19.2792

■ 12.7108, 12.9330,
19.2792

■ 10.6657, 10.5628,
18.9297

■ 15.0600, 15.6296,
19.6761

■ 8.9111, 8.5049,
18.6250

■ 17.7240, 18.6626,
20.1211

■ 7.4339, 6.7466,
18.3634

■ 20.7142, 22.0440,
20.6162

■ 6.2195, 5.2737,
18.1431

■ 24.0413, 25.7841,
21.1627

■ 5.2523, 4.0708,
17.9619

■ 27.7155, 29.8934,
21.7623

■ 4.5146, 3.1209,
17.8175

■ 31.7463, 34.3815,
22.4161

■ 3.9864, 2.4052,
17.7072

■ 36.1432, 39.2579,
23.1256

■ 3.6147, 1.8868,
17.6267

■ 40.9151, 44.5317,
23.8920

■ 3.5925, 1.8573,
17.6222

■ 46.0706, 50.2116,
24.7166

Harmonies

Analogous

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



11.8421, 12.9330, 19.2393



12.7108, 12.9330, 19.2792



13.5026, 12.9330, 17.8170

Triad

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



12.7108, 12.9330, 19.2792



13.5355, 12.9330, 10.9838



10.7452, 12.9330, 12.8161

Complementary

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



12.7108, 12.9330, 19.2792



15.8500, 17.0280, 13.5180

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.



11.1568, 12.9330, 10.9090



12.7108, 12.9330, 19.2792



12.7540, 12.9330, 9.9398

Square

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



12.7108, 12.9330, 19.2792



13.9938, 12.9330, 12.9299



11.8833, 12.9330, 9.9141



10.7349, 12.9330, 15.3002

Rectangle

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



12.7108, 12.9330, 19.2792



13.8687, 12.9330, 16.2770



11.8833, 12.9330, 9.9141



10.8403, 12.9330, 12.0935

Sweetspot

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



12.7112, 12.9335, 19.2795



28.4203, 29.6458, 35.4774



14.5030, 16.9136, 18.6549



6.6809, 6.9637, 8.3987



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.



12.7112, 12.9335, 19.2795



21.1375, 21.2829, 34.2470



13.1390, 12.5983, 19.1922



3.5474, 3.6835, 4.6142



3.8112, 1.9622, 18.7204



18.1207, 8.6580, 91.0764

Inverse Universe

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



14.0912, 13.2081, 13.8638



24.0783, 21.9079, 22.6971



15.3545, 17.4647, 13.6284



3.7076, 3.7103, 3.9868



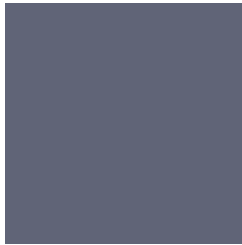
8.2209, 4.2221, 1.1054



39.8332, 20.4834, 4.1852

Previews

White Background



This preview shows how the XYZ color 12.7108, 12.9330, 19.2792 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 12.7108, 12.9330, 19.2792 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

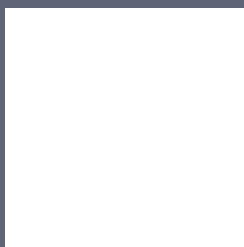
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7108, 12.9330, 19.2792

Background



This preview shows how black text looks on a background with the XYZ color 12.7108, 12.9330, 19.2792.

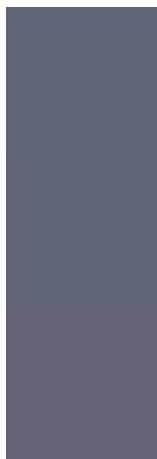


This preview shows how white text looks on a background with the XYZ color 12.7108, 12.9330,

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

12.7108, 12.9330, 19.2792

Protanopia

12.8167, 12.9876, 19.2841

Deuteranopia

13.0643, 12.8340, 19.2414



Tritanopia

12.1819, 13.0082, 16.6206

Trichromacy



Original Color

12.7108, 12.9330, 19.2792

Protanomaly

12.8167, 12.9876, 19.2841

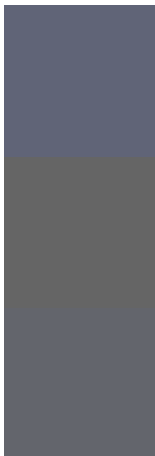
Deuteranomaly

12.9372, 12.9082, 19.2624

Tritanomaly

12.3536, 12.9325, 17.4679

Monochromacy



Original Color

12.7108, 12.9330, 19.2792

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.5060, 13.0427, 16.0457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7108, 12.9330, 19.2792 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(96, 100, 119) looks like.

```
.text, #text, p{  
    color:rgb(96, 100, 119)  
}
```

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(96, 100, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 100, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.7108, 12.9330, 19.2792 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(96, 100, 119) }
```


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

```
.border{ border-color:rgb(96, 100, 119) }
```

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

Here you see how a box with a 4 pixel rgb(96, 100, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 100, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 100, 119);  
box-shadow:4px 4px 4px 4px rgb(96, 100,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7108, 12.9330, 19.2792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 100, 119) }
```

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

```
.background{ background-color: rgb(96, 100,  
119) }
```

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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