

Converting Colors

XYZ(12.0389, 14.2191, 18.2187)

Have a look what the booklet for
XYZ(12.0389, 14.2191, 18.2187)
contains.

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Color

**XYZ(12.0872, 14.3122,
18.3451)**

Conversions

Conversions Part 1

Format	Color
Hex	506F73
RGB	80, 111, 115
RGB Percent	31%, 44%, 45%
CMY	0.6863, 0.5647, 0.5490
CMYK	0.30, 0.03, 0.00, 0.55
HSL	187°, 18%, 38%
HSV	187°, 30%, 45%
XYZ	12.0872, 14.3122, 18.3451
YIQ	102.1870, -19.7600, -5.3280

Conversions

Conversions Part 2

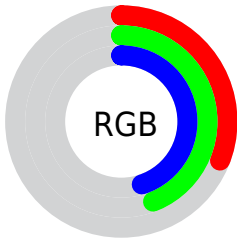
Format	Color
R_{YB}	80, 96, 115
Decimal	5271411
CIE _{Lab}	44.68, -10.10, -5.85
CIE _{LCh}	45, 11.672, 210.062
Yxy	14.3122, 0.2701, 0.3199
Android (android.graphics.Color)	4283461491 (0xFF506F73)
YUV	102.1870, 6.3168, -19.4580
Hunter-Lab	37.8315, -9.1741, -2.2687

Details

The XYZ color **12.0872, 14.3122, 18.3451** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.6886, 10.5646, 9.0127**, and the grayscale version is **12.6662, 13.3259, 14.5119**.

A 20% lighter version of the original color is **29.2782, 33.7302, 41.5267**, and **3.4178, 4.2836, 5.9569** is the 20% darker color. If you saturate the color by 10%, you get **11.0560, 13.5697, 18.2564**, and if you desaturate by 10%, it is **13.2876, 15.1458, 18.4430**.

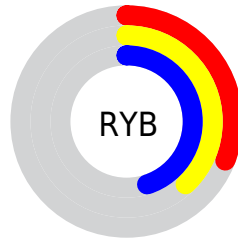
Distribution



Red (31%)

Green (44%)

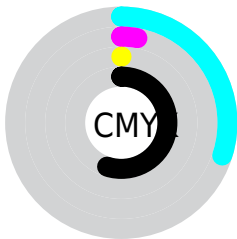
Blue (45%)



Red (31%)

Yellow (38%)

Blue (45%)

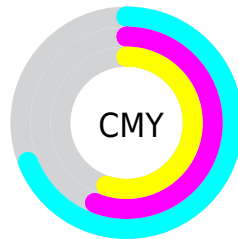


Cyan (30%)

Magenta (3%)

Yellow (0%)

Black (55%)



Cyan (69%)

Magenta (56%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0872, 14.3122, 18.3451 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 12.0872, 14.3122, 18.3451 by changing the saturation by 10% instead.

■ 12.0872, 14.3122,
18.3451

■ 12.0872, 14.3122,
18.3451

198.7399,
219.1645, 255.1102

■ 6.8757, 8.3381,
11.0260

■ 29.2693, 33.6420,
41.4463

■ 3.4301, 4.3121,
5.9700

■ 41.9706, 47.7664,
58.0656

■ 1.3851, 1.8496,
2.7583

■ 57.8993, 65.3765,
78.6220

■ 0.2456, 0.5178,
0.9726

■ 77.4206, 86.8566,
103.5341

■ 0.0000, 0.0000,
0.0000

■ 100.9000,
112.5910, 133.2204

128.7027,

142.9642, 168.0995

161.1943,
178.3606, 208.5899

■ 12.0872, 14.3122,
18.3451

■ 12.0872, 14.3122,
18.3451

■ 11.0560, 13.5697,
18.2564

■ 13.2876, 15.1458,
18.4430

■ 10.1842, 12.9121,
18.1754

■ 14.6639, 16.0728,
18.5494

■ 9.4630, 12.3353,
18.1021

■ 16.2237, 17.0976,
18.6650

■ 8.8823, 11.8341,
18.0359

■ 17.9740, 18.2237,
18.7901

■ 8.4307, 11.4024,
17.9764

■ 19.9215, 19.4547,
18.9250

■ 8.0948, 11.0334,
17.9229

■ 22.0724, 20.7938,
19.0701

■ 7.8325, 10.7138,
17.8750

■ 24.4326, 22.2439,
19.2256

■ 27.0080, 23.8082,
19.3918

■ 29.8039, 25.4895,
19.5690

Harmonies

Analogous

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



11.8622, 14.3122, 15.5892



12.0872, 14.3122, 18.3451



12.7145, 14.3122, 20.5544

Triad

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



12.0872, 14.3122, 18.3451



15.2433, 14.3122, 18.3341



13.6013, 14.3122, 10.9280

Complementary

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



12.0872, 14.3122, 18.3451



11.6886, 10.5646, 9.0127

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.



14.5326, 14.3122, 11.4866



12.0872, 14.3122, 18.3451



15.5070, 14.3122, 15.5779

Square

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



12.0872, 14.3122, 18.3451



14.5362, 14.3122, 20.5476



15.2412, 14.3122, 13.1141



12.7112, 14.3122, 11.4912

Rectangle

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



12.0872, 14.3122, 18.3451



13.2914, 14.3122, 21.3063



15.2412, 14.3122, 13.1141



13.9200, 14.3122, 10.9899

Sweetspot

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



12.0876, 14.3128, 18.3454



26.5752, 28.9915, 33.2398



11.0199, 14.5995, 10.5226



6.2646, 6.8663, 7.9241



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.0876, 14.3128, 18.3454



20.2252, 24.6119, 32.7291



10.4057, 10.9489, 17.7848



3.7493, 4.0873, 4.6816



8.9444, 12.2285, 20.4315



43.1893, 58.7952, 99.4326

Inverse Universe

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



12.8084, 10.5301, 16.3971



21.7744, 16.6887, 28.4956



13.1721, 13.5316, 9.5072



3.8095, 3.7511, 4.5236



10.8119, 5.2585, 14.7493



52.4867, 25.5448, 70.8175

Previews

White Background



This preview shows how the XYZ color 12.0872, 14.3122, 18.3451 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 12.0872, 14.3122, 18.3451 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 12.0872, 14.3122, 18.3451

Background



This preview shows how black text looks on a background with the XYZ color 12.0872, 14.3122, 18.3451.



This preview shows how white text looks on a background with the XYZ color 12.0872, 14.3122,

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

12.0872, 14.3122, 18.3451

Protanopia

13.8647, 14.3150, 17.0713

Deuteranopia

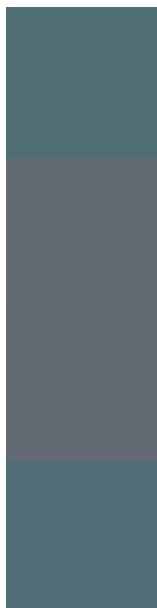
14.4915, 14.2998, 18.8260



Tritanopia

12.2990, 14.2331, 19.5518

Trichromacy



Original Color

12.0872, 14.3122, 18.3451

Protanomaly

13.1121, 14.2266, 17.3842

Deuteranomaly

13.4520, 14.2217, 18.5591

Tritanomaly

12.2393, 14.2092, 19.2371

Monochromacy



Original Color

12.0872, 14.3122, 18.3451

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.3215, 13.5444, 15.8748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0872, 14.3122, 18.3451 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(80, 111, 115) looks like.

```
.text, #text, p{  
    color:rgb(80, 111, 115)  
}
```

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(80, 111, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 111, 115) }
```

Border

The CSS property to change the border of an element to XYZ 12.0872, 14.3122, 18.3451 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(80, 111, 115) }
```


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

```
.border{ border-color:rgb(80, 111, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 111, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 111, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 111, 115);  
box-shadow:4px 4px 4px 4px rgb(80, 111,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0872, 14.3122, 18.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 111, 115) }
```

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

```
.background{ background-color: rgb(80, 111,  
115) }
```

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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