

Converting Colors

XYZ(12.0510, 14.8899, 15.6636)

Have a look what the booklet for
XYZ(12.0510, 14.8899, 15.6636)
contains.

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Color

**XYZ(12.0468, 14.8484,
15.5957)**

Conversions

Conversions Part 1

Format	Color
Hex	527269
RGB	82, 114, 105
RGB Percent	32%, 45%, 41%
CMY	0.6784, 0.5529, 0.5882
CMYK	0.28, 0.00, 0.08, 0.55
HSL	163°, 16%, 38%
HSV	163°, 28%, 45%
XYZ	12.0468, 14.8484, 15.5957
YIQ	103.4060, -16.1830, -9.5830

Conversions

Conversions Part 2

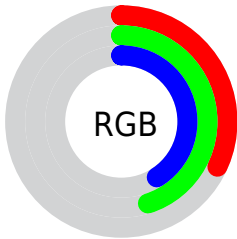
Format	Color
R_{YB}	82, 101, 114
Decimal	5403241
CIE Lab	45.43, -13.61, 1.26
CIE LCh	45, 13.667, 174.696
Yxy	14.8484, 0.2835, 0.3494
Android (android.graphics.Color)	4283593321 (0xFF527269)
YUV	103.4060, 0.7858, -18.7731
Hunter-Lab	38.5336, -11.6292, 2.9771

Details

The XYZ color **12.0468, 14.8484, 15.5957** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.8456, 10.3677, 11.2750**, and the grayscale version is **13.0011, 13.6782, 14.8956**.

A 20% lighter version of the original color is **29.1527, 34.5783, 36.5903**, and **3.4051, 4.5592, 4.7035** is the 20% darker color. If you saturate the color by 10%, you get **10.9750, 14.3150, 14.7015**, and if you desaturate by 10%, it is **13.2904, 15.4705, 16.5310**.

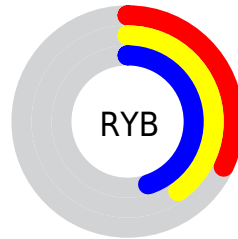
Distribution



Red (32%)

Green (45%)

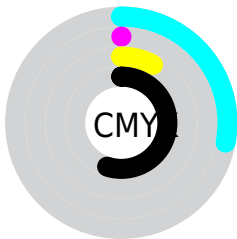
Blue (41%)



Red (32%)

Yellow (40%)

Blue (45%)

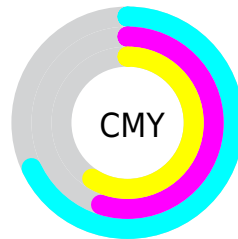


Cyan (28%)

Magenta (0%)

Yellow (8%)

Black (55%)



Cyan (68%)

Magenta (55%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0468, 14.8484, 15.5957 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 12.0468, 14.8484, 15.5957 by changing the saturation by 10% instead.

■ 12.0468, 14.8484,
15.5957

■ 12.0468, 14.8484,
15.5957

198.4785,
222.4468, 238.7078

■ 6.8480, 8.7131,
9.0873

■ 29.1964, 34.5870,
36.6519

■ 3.4127, 4.5545,
4.7006

■ 41.8780, 48.9591,
52.0367

■ 1.3756, 1.9883,
2.0170

■ 57.7844, 66.8455,
71.2173

■ 0.2387, 0.6007,
0.5657

■ 77.2812, 88.6307,
94.6124

■ 0.0000, 0.0000,
0.0000

■ 100.7336,
114.6990, 122.6405

128.5071,

145.4348, 155.7200

160.9669,
181.2226, 194.2696

■ 12.0468, 14.8484,
15.5957

■ 12.0468, 14.8484,
15.5957

■ 10.9750, 14.3150,
14.7015

■ 13.2904, 15.4705,
16.5310

■ 10.0656, 13.8641,
13.8468

■ 14.7121, 16.1833,
17.5071

■ 9.3100, 13.4919,
13.0309

■ 16.3197, 16.9911,
18.5251

■ 8.6986, 13.1932,
12.2532

■ 18.1197, 17.8975,
19.5855

■ 8.2203, 12.9626,
11.5127

■ 20.1188, 18.9057,
20.6891

■ 7.8626, 12.7934,
10.8086

■ 22.3229, 20.0188,
21.8364

■ 7.5893, 12.6670,
10.1386

■ 24.7379, 21.2400,
23.0280

■ 7.5381, 12.6434,
10.0128

■ 27.3695, 22.5719,
24.2646

■ 30.2230, 24.0176,
25.5466

Harmonies

Analogous

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



12.4035, 14.8484, 12.8133



12.0468, 14.8484, 15.5957



12.2191, 14.8484, 18.9259

Triad

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



12.0468, 14.8484, 15.5957



15.0459, 14.8484, 22.5466



15.4140, 14.8484, 11.5785

Complementary

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



12.0468, 14.8484, 15.5957



11.8456, 10.3677, 11.2750

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.



16.1931, 14.8484, 13.6908



12.0468, 14.8484, 15.5957



15.9727, 14.8484, 20.0610

Square

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



12.0468, 14.8484, 15.5957



13.9119, 14.8484, 23.2346



16.4028, 14.8484, 16.7529



14.3159, 14.8484, 10.7017

Rectangle

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



12.0468, 14.8484, 15.5957



12.6157, 14.8484, 20.9812



16.4028, 14.8484, 16.7529



15.7242, 14.8484, 12.1526

Sweetspot

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



12.0472, 14.8490, 15.5960



25.8165, 28.4195, 30.7401



11.8617, 14.8720, 10.2283



5.8952, 6.5347, 7.0593



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.0472, 14.8490, 15.5960



19.8557, 25.4381, 26.3284



11.7821, 13.5386, 17.9125



3.4369, 3.8000, 4.1070



8.3837, 14.0710, 11.1073



41.3811, 69.9411, 53.3194

Inverse Universe

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



11.8456, 10.3677, 11.2750



19.4375, 16.1144, 17.3448



12.0297, 11.3207, 9.5340



3.4195, 3.4155, 3.7359



8.0095, 4.0962, 1.8602



39.5735, 20.2747, 7.5521

Previews

White Background



This preview shows how the XYZ color 12.0468, 14.8484, 15.5957 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 12.0468, 14.8484, 15.5957 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 12.0468, 14.8484, 15.5957

Background



This preview shows how black text looks on a background with the XYZ color 12.0468, 14.8484, 15.5957.



This preview shows how white text looks on a background with the XYZ color 12.0468, 14.8484,

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

12.0468, 14.8484, 15.5957

Protanopia

14.1622, 14.8345, 14.4288

Deuteranopia

14.9403, 14.7441, 15.9684



Tritanopia

12.9917, 14.9001, 20.2804

Trichromacy



Original Color

12.0468, 14.8484, 15.5957

Protanomaly

13.2297, 14.8205, 14.7337

Deuteranomaly

13.6730, 14.7088, 15.7541

Tritanomaly

12.6558, 14.9329, 18.4350

Monochromacy



Original Color

12.0468, 14.8484, 15.5957

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.4757, 13.9478, 15.1314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0468, 14.8484, 15.5957 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(82, 114, 105) looks like.

```
.text, #text, p{  
    color:rgb(82, 114, 105)  
}
```

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(82, 114, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 114, 105) }
```

Border

The CSS property to change the border of an element to XYZ 12.0468, 14.8484, 15.5957 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(82, 114, 105) }
```


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

```
.border{ border-color:rgb(82, 114, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 114, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 114, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 114, 105);  
box-shadow:4px 4px 4px 4px rgb(82, 114,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0468, 14.8484, 15.5957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 114, 105) }
```

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

```
.background{ background-color: rgb(82, 114,  
105) }
```

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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