

Converting Colors

XYZ(12.6916, 16.4188, 14.9449)

Have a look what the booklet for
XYZ(12.6916, 16.4188, 14.9449)
contains.

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Color

**XYZ(12.7153, 16.4279,
15.0711)**

Conversions

Conversions Part 1

Format	Color
Hex	527966
RGB	82, 121, 102
RGB Percent	32%, 47%, 40%
CMY	0.6784, 0.5255, 0.6000
CMYK	0.32, 0.00, 0.16, 0.53
HSL	151°, 19%, 40%
HSV	151°, 32%, 47%
XYZ	12.7153, 16.4279, 15.0711
YIQ	107.1730, -17.1450, -14.1770

Conversions

Conversions Part 2

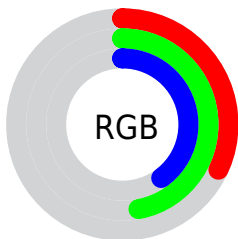
Format	Color
R_{YB}	82, 108, 121
Decimal	5405030
CIE _{Lab}	47.53, -18.12, 6.08
CIE _{LCh}	48, 19.112, 161.452
Y _{xy}	16.4279, 0.2876, 0.3716
Android (android.graphics.Color)	4283595110 (0xFF527966)
YUV	107.1730, -2.5503, -22.0767
Hunter-Lab	40.5313, -14.9317, 6.3257

Details

The XYZ color **12.7153, 16.4279, 15.0711** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.2520, 11.0395, 13.7449**, and the grayscale version is **14.0337, 14.7646, 16.0786**.

A 20% lighter version of the original color is **30.5587, 37.5586, 35.7759**, and **3.7001, 5.2679, 4.4362** is the 20% darker color. If you saturate the color by 10%, you get **11.4725, 15.8202, 13.5408**, and if you desaturate by 10%, it is **14.1654, 17.1409, 16.7203**.

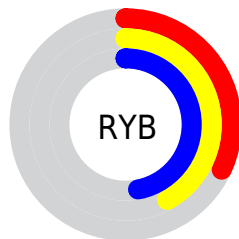
Distribution



Red (32%)

Green (47%)

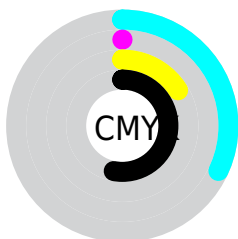
Blue (40%)



Red (32%)

Yellow (42%)

Blue (47%)

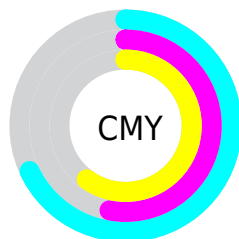


Cyan (32%)

Magenta (0%)

Yellow (16%)

Black (53%)



Cyan (68%)

Magenta (53%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7153, 16.4279, 15.0711 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 12.7153, 16.4279, 15.0711 by changing the saturation by 10% instead.

■ 12.7153, 16.4279,
15.0711

■ 12.7153, 16.4279,
15.0711

202.7596,
231.8536, 235.4518

■ 7.3084, 9.8275,
8.7221

■ 30.3970, 37.3395,
35.7219

■ 3.7038, 5.2847,
4.4661

■ 43.4026, 52.4194,
50.8609

■ 1.5360, 2.4153,
1.8843

■ 59.6718, 71.0946,
69.7669

■ 0.3501, 0.8337,
0.4827

■ 79.5700, 93.7495,
92.8585

■ 0.0000, 0.0000,
0.0000

■ 103.4625,
120.7684, 120.5542

131.7147,

152.5358, 153.2727

164.6920,
189.4361, 191.4323

■ 12.7153, 16.4279,
15.0711

■ 12.7153, 16.4279,
15.0711

■ 11.4725, 15.8202,
13.5408

■ 14.1654, 17.1409,
16.7203

■ 10.4255, 15.3107,
12.1257

■ 15.8309, 17.9621,
18.4901

■ 9.5635, 14.8943,
10.8232

■ 17.7211, 18.8965,
20.3832

■ 8.8745, 14.5648,
9.6305

■ 19.8443, 19.9486,
22.4021

■ 8.3445, 14.3151,
8.5443

■ 22.2085, 21.1223,
24.5492

■ 7.9574, 14.1368,
7.5614

■ 24.8212, 22.4215,
26.8267

■ 7.7086, 14.0237,
6.8652

■ 27.6895, 23.8498,
29.2371

■ 30.8204, 25.4107,
31.7823

■ 34.2204, 27.1077,
34.4646

Harmonies

Analogous

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



13.5484, 16.4279, 11.7473



12.7153, 16.4279, 15.0711



12.6242, 16.4279, 19.8114

Triad

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



12.7153, 16.4279, 15.0711



16.2724, 16.4279, 28.7226



18.1950, 16.4279, 12.3773

Complementary

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



12.7153, 16.4279, 15.0711



13.2520, 11.0395, 13.7449

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.



19.0426, 16.4279, 16.0918



12.7153, 16.4279, 15.0711



17.8800, 16.4279, 25.8626

Square

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



12.7153, 16.4279, 15.0711



14.5972, 16.4279, 28.3133



18.9233, 16.4279, 21.0339



16.6774, 16.4279, 10.3979

Rectangle

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



12.7153, 16.4279, 15.0711



12.9880, 16.4279, 23.2310



18.9233, 16.4279, 21.0339



18.5725, 16.4279, 13.4330

Sweetspot

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



12.7158, 16.4286, 15.0715



28.9862, 32.4792, 33.7636



13.7839, 17.0803, 10.5531



6.5446, 7.3853, 7.6351



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.



12.7158, 16.4286, 15.0715



21.0146, 28.5587, 24.8475



13.7688, 16.8498, 20.6166



4.0287, 4.4811, 4.6848



8.2548, 15.0256, 7.3268



38.9448, 71.5009, 32.6769

Inverse Universe

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



13.2520, 11.0395, 13.7449



22.1405, 17.2445, 22.0634



12.4259, 10.7090, 9.3949



4.0721, 4.0446, 4.5773



9.2891, 4.6918, 4.8133



43.8828, 22.2095, 20.7106

Previews

White Background



This preview shows how the XYZ color 12.7153, 16.4279, 15.0711 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 12.7153, 16.4279, 15.0711 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 12.7153, 16.4279, 15.0711

Background



This preview shows how black text looks on a background with the XYZ color 12.7153, 16.4279, 15.0711.

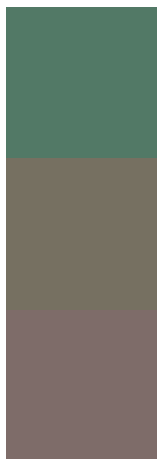


This preview shows how white text looks on a background with the XYZ color 12.7153, 16.4279,

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

12.7153, 16.4279, 15.0711

Protanopia

15.4231, 16.3030, 13.6432

Deuteranopia

16.5165, 16.1807, 15.6173



Tritanopia

14.2397, 16.5154, 22.5160

Trichromacy



Original Color

12.7153, 16.4279, 15.0711

Protanomaly

14.2086, 16.1656, 14.1758

Deuteranomaly

14.8342, 16.1247, 15.4272

Tritanomaly

13.6132, 16.4330, 19.5939

Monochromacy



Original Color

12.7153, 16.4279, 15.0711

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.3810, 15.2049, 15.5942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7153, 16.4279, 15.0711 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, 121, 102)` looks like.

```
.text, #text, p{  
  color:rgb(82, 121, 102)  
}
```

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, 121, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 121, 102) }
```

Border

The CSS property to change the border of an element to XYZ 12.7153, 16.4279, 15.0711 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, 121, 102) }
```


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

```
.border{ border-color:rgb(82, 121, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 121, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 121, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 121, 102);  
box-shadow:4px 4px 4px 4px rgb(82, 121,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7153, 16.4279, 15.0711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 121, 102) }
```

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

```
.background{ background-color: rgb(82, 121,  
102) }
```

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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