

Converting Colors

XYZ(12.6893, 16.2357, 14.6152)

Have a look what the booklet for
XYZ(12.6893, 16.2357, 14.6152)
contains.

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Color

**XYZ(12.6729, 16.2379,
14.5229)**

Conversions

Conversions Part 1

Format	Color
Hex	547864
RGB	84, 120, 100
RGB Percent	33%, 47%, 39%
CMY	0.6706, 0.5294, 0.6078
CMYK	0.30, 0.00, 0.17, 0.53
HSL	147°, 18%, 40%
HSV	147°, 30%, 47%
XYZ	12.6729, 16.2379, 14.5229
YIQ	106.9560, -15.0360, -13.8520

Conversions

Conversions Part 2

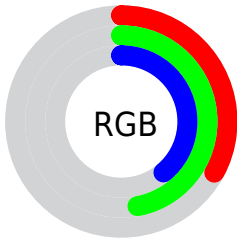
Format	Color
RYB	84, 109, 120
Decimal	5535844
CIELab	47.29, -17.34, 6.93
CIElCh	47, 18.676, 158.233
Yxy	16.2379, 0.2918, 0.3739
Android (android.graphics.Color)	4283725924 (0xFF547864)
YUV	106.9560, -3.4293, -20.1324
Hunter-Lab	40.2963, -14.3815, 6.8391

Details

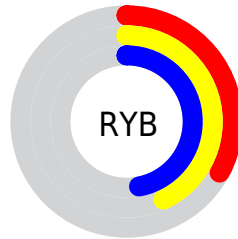
The XYZ color **12.6729, 16.2379, 14.5229** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.4153, 11.3336, 14.5779**, and the grayscale version is **13.9755, 14.7033, 16.0119**.

A 20% lighter version of the original color is **30.3301, 36.8903, 34.8001**, and **3.6588, 5.1568, 4.1707** is the 20% darker color. If you saturate the color by 10%, you get **11.3800, 15.6076, 12.8464**, and if you desaturate by 10%, it is **14.1772, 16.9750, 16.3478**.

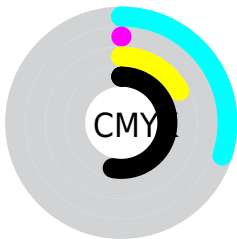
Distribution



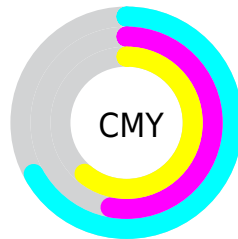
- Red (33%)
- Green (47%)
- Blue (39%)



- Red (33%)
- Yellow (43%)
- Blue (47%)



- Cyan (30%)
- Magenta (0%)
- Yellow (17%)
- Black (53%)



- Cyan (67%)
- Magenta (53%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6729, 16.2379, 14.5229 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 12.6729, 16.2379, 14.5229 by changing the saturation by 10% instead.

■ 12.6729, 16.2379,
14.5229

■ 12.6729, 16.2379,
14.5229

202.4908,
230.7414, 232.0004

■ 7.2791, 9.6927,
8.3424

■ 30.3212, 37.0107,
34.7444

■ 3.6852, 5.1957,
4.2239

■ 43.3065, 52.0071,
49.6224

■ 1.5256, 2.3625,
1.7490

■ 59.5529, 70.5893,
68.2367

■ 0.3432, 0.8065,
0.3940

■ 79.4260, 93.1417,
91.0057

■ 0.0000, 0.0000,
0.0000

■ 103.2909,
120.0487, 118.3481

131.5131,

151.6948, 150.6823

164.4580,
188.4642, 188.4269

■ 12.6729, 16.2379,
14.5229

■ 12.6729, 16.2379,
14.5229

■ 11.3800, 15.6076,
12.8464

■ 14.1772, 16.9750,
16.3478

■ 10.2870, 15.0769,
11.3136

■ 15.9009, 17.8216,
18.3238

■ 9.3837, 14.6412,
9.9209


■ 17.8531, 18.7829,
20.4545


■ 8.6580, 14.2941,
8.6641


■ 20.0421, 19.8630,
22.7435


■ 8.0966, 14.0290,
7.5389


■ 22.4757, 21.0659,
25.1938


 7.6840, 13.8380,
6.5408

 25.1615, 22.3953,
27.8088

 7.3671, 13.6937,
5.6632

 28.1065, 23.8550,
30.5915

 31.3176, 25.4483,
33.5447

 34.8015, 27.1787,
36.6716

Harmonies

Analogous

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



13.5538, 16.2379, 11.4649



12.6729, 16.2379, 14.5229



12.5041, 16.2379, 19.0125

Triad

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



12.6729, 16.2379, 14.5229



15.8921, 16.2379, 28.2733



18.0599, 16.2379, 12.6360

Complementary

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



12.6729, 16.2379, 14.5229



13.4153, 11.3336, 14.5779

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.



18.7883, 16.2379, 16.4118



12.6729, 16.2379, 14.5229



17.4797, 16.2379, 25.8132

Square

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



12.6729, 16.2379, 14.5229



14.2877, 16.2379, 27.5228



18.5687, 16.2379, 21.2651



16.6392, 16.2379, 10.5182

Rectangle

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



12.6729, 16.2379, 14.5229



12.8059, 16.2379, 22.3322



18.5687, 16.2379, 21.2651



18.3983, 16.2379, 13.7239

Sweetspot

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



12.6733, 16.2386, 14.5233



28.2187, 31.4682, 32.5092



14.0728, 17.0409, 10.9352



6.5945, 7.4119, 7.6004



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.



12.6733, 16.2386, 14.5233



20.6851, 27.7764, 23.4858



13.6195, 16.6170, 19.5056



4.0180, 4.4768, 4.6287



8.0297, 14.9355, 6.1411



37.8874, 71.0780, 27.1088

Inverse Universe

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



13.4153, 11.3336, 14.5779



22.2116, 17.6813, 23.5954



12.6124, 11.0124, 10.3499



4.0828, 4.0488, 4.6336



9.5374, 4.7911, 6.1208



45.0605, 22.6805, 26.9124

Previews

White Background



This preview shows how the XYZ color 12.6729, 16.2379, 14.5229 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 12.6729, 16.2379, 14.5229 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 12.6729, 16.2379, 14.5229

Background



This preview shows how black text looks on a background with the XYZ color 12.6729, 16.2379, 14.5229.



This preview shows how white text looks on a background with the XYZ color 12.6729, 16.2379,

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

12.6729, 16.2379, 14.5229

Protanopia

15.1319, 15.9953, 13.3562

Deuteranopia

16.4149, 16.1400, 15.0821



Tritanopia

14.1311, 16.1210, 22.1055

Trichromacy



Original Color

12.6729, 16.2379, 14.5229

Protanomaly

14.0007, 15.9010, 13.6405

Deuteranomaly

14.7480, 15.9272, 14.8673

Tritanomaly

13.5027, 16.0332, 19.2127

Monochromacy



Original Color

12.6729, 16.2379, 14.5229

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.4385, 15.2405, 15.3301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6729, 16.2379, 14.5229 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(84, 120, 100)` looks like.

```
.text, #text, p{  
    color:rgb(84, 120, 100)  
}
```

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(84, 120, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 120, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.6729, 16.2379, 14.5229 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(84, 120, 100) }
```


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

```
.border{ border-color:rgb(84, 120, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 120, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 120, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 120, 100);  
box-shadow:4px 4px 4px 4px rgb(84, 120,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6729, 16.2379, 14.5229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 120, 100) }
```

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

```
.background{ background-color: rgb(84, 120,  
100) }
```

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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