

Converting Colors

XYZ(12.6366, 16.5405, 14.0956)

Have a look what the booklet for
XYZ(12.6366, 16.5405, 14.0956)
contains.

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Color

**XYZ(12.6438, 16.5947,
14.0920)**

Conversions

Conversions Part 1

Format	Color
Hex	527A62
RGB	82, 122, 98
RGB Percent	32%, 48%, 38%
CMY	0.6784, 0.5216, 0.6157
CMYK	0.33, 0.00, 0.20, 0.52
HSL	144°, 20%, 40%
HSV	144°, 33%, 48%
XYZ	12.6438, 16.5947, 14.0920
YIQ	107.3040, -16.1360, -15.9440

Conversions

Conversions Part 2

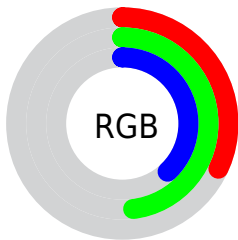
Format	Color
R_{YB}	82, 111, 122
Decimal	5405282
CIE Lab	47.75, -19.52, 8.74
CIE LCh	48, 21.390, 155.884
Yxy	16.5947, 0.2918, 0.3830
Android (android.graphics.Color)	4283595362 (0xFF527A62)
YUV	107.3040, -4.5869, -22.1916
Hunter-Lab	40.7366, -15.8863, 8.0054

Details

The XYZ color **12.6438, 16.5947, 14.0920** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.6454, 11.2132, 15.0814**, and the grayscale version is **14.0754, 14.8084, 16.1264**.

A 20% lighter version of the original color is **30.4277, 37.8164, 34.1294**, and **3.6955, 5.3703, 4.0906** is the 20% darker color. If you saturate the color by 10%, you get **11.3459, 15.9642, 12.3089**, and if you desaturate by 10%, it is **14.1629, 17.3365, 16.0512**.

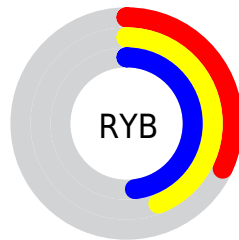
Distribution



Red (32%)

Green (48%)

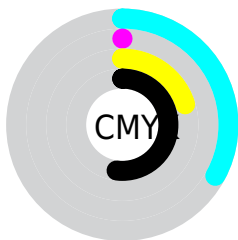
Blue (38%)



Red (32%)

Yellow (44%)

Blue (48%)

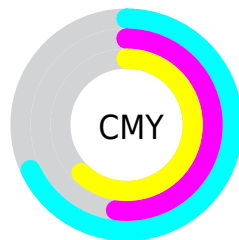


Cyan (33%)

Magenta (0%)

Yellow (20%)

Black (52%)



Cyan (68%)

Magenta (52%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6438, 16.5947, 14.0920 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 12.6438, 16.5947, 14.0920 by changing the saturation by 10% instead.

■ 12.6438, 16.5947,
14.0920

■ 12.6438, 16.5947,
14.0920

202.3061,
232.8258, 229.2507

■ 7.2590, 9.9459,
8.0452

■ 30.2691, 37.6276,
33.9717

■ 3.6724, 5.3631,
4.0357

■ 43.2404, 52.7805,
48.6416

■ 1.5185, 2.4619,
1.6449

■ 59.4713, 71.5370,
67.0230

■ 0.3384, 0.8574,
0.3226

■ 79.3270, 94.2813,
89.5344

■ 0.0000, 0.0000,
0.0000

■ 103.1730,
121.3980, 116.5943

131.3746,

153.2714, 148.6213

164.2972,
190.2858, 186.0339

■ 12.6438, 16.5947,
14.0920

■ 12.6438, 16.5947,
14.0920

■ 11.3459, 15.9642,
12.3089

■ 14.1629, 17.3365,
16.0512

■ 10.2569, 15.4374,
10.6959

■ 15.9120, 18.1927,
18.1901

■ 9.3656, 15.0090,
9.2483

■ 17.9009, 19.1686,
20.5136

■ 8.6590, 14.6725,
7.9605

■ 20.1384, 20.2688,
23.0261

■ 8.1222, 14.4203,
6.8269

■ 22.6331, 21.4976,
25.7318

■ 7.7377, 14.2435,
5.8413

■ 25.3930, 22.8589,
28.6347

■ 7.5100, 14.1397,
5.2170

■ 28.4256, 24.3568,
31.7387

■ 31.7385, 25.9948,
35.0479

■ 35.3386, 27.7766,
38.5657

Harmonies

Analogous

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



13.7106, 16.5947, 10.7982



12.6438, 16.5947, 14.0920



12.3849, 16.5947, 19.1721

Triad

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



12.6438, 16.5947, 14.0920



16.1534, 16.5947, 30.7259



18.9495, 16.5947, 12.5636

Complementary

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



12.6438, 16.5947, 14.0920



13.6454, 11.2132, 15.0814

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.



19.7282, 16.5947, 17.0087



12.6438, 16.5947, 14.0920



18.0320, 16.5947, 28.0350

Square

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



12.6438, 16.5947, 14.0920



14.3150, 16.5947, 29.5097



19.3795, 16.5947, 22.7312



17.3262, 16.5947, 10.0489

Rectangle

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



12.6438, 16.5947, 14.0920



12.6853, 16.5947, 23.0768



19.3795, 16.5947, 22.7312



19.3245, 16.5947, 13.8434

Sweetspot

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



12.6442, 16.5954, 14.0924



28.8431, 32.4219, 33.0103



14.5065, 17.6341, 10.6220



6.5086, 7.3709, 7.4455



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.



12.6442, 16.5954, 14.0924



20.5719, 28.3817, 22.5166



13.6702, 17.0058, 19.4952



4.0111, 4.4741, 4.5925



7.9026, 14.8847, 5.4717



37.2997, 70.8429, 24.0143

Inverse Universe

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



13.6454, 11.2132, 15.0814



22.6074, 17.4313, 24.5220



12.7505, 10.8552, 10.3691



4.0898, 4.0516, 4.6705



9.7192, 4.8638, 7.0780



45.9324, 23.0293, 31.5040

Previews

White Background



This preview shows how the XYZ color 12.6438, 16.5947, 14.0920 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 12.6438, 16.5947, 14.0920 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 12.6438, 16.5947, 14.0920

Background



This preview shows how black text looks on a background with the XYZ color 12.6438, 16.5947, 14.0920.



This preview shows how white text looks on a background with the XYZ color 12.6438, 16.5947,

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

12.6438, 16.5947, 14.0920

Protanopia

15.4887, 16.5225, 12.7287

Deuteranopia

16.7197, 16.4661, 14.6090



Tritanopia

14.3337, 16.5639, 22.5204

Trichromacy



Original Color

12.6438, 16.5947, 14.0920

Protanomaly

14.2548, 16.3812, 13.2370

Deuteranomaly

14.8731, 16.3342, 14.4255

Tritanomaly

13.5870, 16.4330, 18.9788

Monochromacy



Original Color

12.6438, 16.5947, 14.0920

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.3299, 15.1845, 15.3250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6438, 16.5947, 14.0920 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, 122, 98)` looks like.

```
.text, #text, p{  
    color:rgb(82, 122, 98)  
}
```

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, 122, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 122, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.6438, 16.5947, 14.0920 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, 122, 98) }
```


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

```
.border{ border-color:rgb(82, 122, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 122, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 122, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 122, 98);  
box-shadow:4px 4px 4px 4px rgb(82, 122,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6438, 16.5947, 14.0920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 122, 98) }
```

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

```
.background{ background-color: rgb(82, 122,  
98) }
```

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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