

Converting Colors

XYZ(12.6450, 16.7119, 12.1401)

Have a look what the booklet for
XYZ(12.6450, 16.7119, 12.1401)
contains.

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Color

**XYZ(12.6427, 16.6357,
12.2175)**

Conversions

Conversions Part 1

Format	Color
Hex	567A5A
RGB	86, 122, 90
RGB Percent	34%, 48%, 35%
CMY	0.6627, 0.5216, 0.6471
CMYK	0.30, 0.00, 0.26, 0.52
HSL	127°, 17%, 41%
HSV	127°, 30%, 48%
XYZ	12.6427, 16.6357, 12.2175
YIQ	107.5880, -11.1840, -17.5840

Conversions

Conversions Part 2

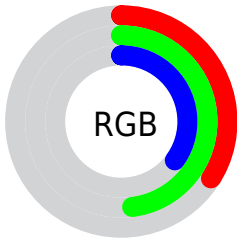
Format	Color
R_{YB}	86, 118, 122
Decimal	5667418
CIE _{Lab}	47.80, -19.76, 13.53
CIE _{LCh}	48, 23.946, 145.594
Yxy	16.6357, 0.3047, 0.4009
Android (android.graphics.Color)	4283857498 (0xFF567A5A)
YUV	107.5880, -8.6709, -18.9327
Hunter-Lab	40.7869, -16.0475, 10.7908

Details

The XYZ color **12.6427, 16.6357, 12.2175** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.6244, 12.1014, 18.7051**, and the grayscale version is **14.1646, 14.9023, 16.2286**.

A 20% lighter version of the original color is **30.3801, 37.8718, 30.5197**, and **3.6739, 5.3783, 3.2273** is the 20% darker color. If you saturate the color by 10%, you get **11.1855, 15.9345, 9.9132**, and if you desaturate by 10%, it is **14.3599, 17.4641, 14.8863**.

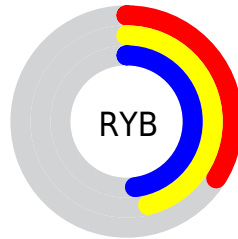
Distribution



Red (34%)

Green (48%)

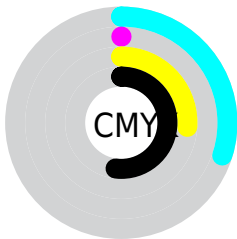
Blue (35%)



Red (34%)

Yellow (46%)

Blue (48%)

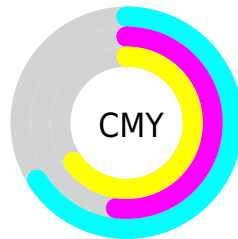


Cyan (30%)

Magenta (0%)

Yellow (26%)

Black (52%)



Cyan (66%)

Magenta (52%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6427, 16.6357, 12.2175 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 12.6427, 16.6357, 12.2175 by changing the saturation by 10% instead.

■ 12.6427, 16.6357,
12.2175

■ 12.6427, 16.6357,
12.2175

202.2991,
233.0642, 216.8687

■ 7.2583, 9.9751,
6.7676

■ 30.2672, 37.6983,
30.5609

■ 3.6719, 5.3824,
3.2410

■ 43.2379, 52.8692,
44.2916

■ 1.5182, 2.4734,
1.2190

■ 59.4682, 71.6455,
61.6196

■ 0.3382, 0.8633,
0.0000

■ 79.3233, 94.4118,
82.9635

■ 0.0000, 0.0000,
0.0000

■ 103.1685,
121.5525, 108.7418

131.3694,

153.4518, 139.3731

164.2911,
190.4942, 175.2759

■ 12.6427, 16.6357,
12.2175

■ 12.6427, 16.6357,
12.2175

■ 11.1855, 15.9345,
9.9132

■ 14.3599, 17.4641,
14.8863

■ 9.9744, 15.3522,
7.9565

■ 16.3476, 18.4235,
17.9333

■ 8.9961, 14.8828,
6.3309

■ 18.6173, 19.5198,
21.3729

■ 8.2355, 14.5190,
5.0180

■ 21.1794, 20.7581,
25.2182

■ 7.6758, 14.2524,
3.9978

■ 24.0439, 22.1434,
29.4820

■ 7.2977, 14.0737,
3.2479

■ 27.2201, 23.6802,
34.1763

■ 7.0472, 13.9556,
2.7409

■ 30.7170, 25.3729,
39.3127

■ 7.0362, 13.9503,
2.7218

■ 34.5435, 27.2257,
44.9023

■ 38.7076, 29.2427,
50.9561

Harmonies

Analogous

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



14.0936, 16.6357, 9.4020



12.6427, 16.6357, 12.2175



12.0405, 16.6357, 17.2198

Triad

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



12.6427, 16.6357, 12.2175



15.4965, 16.6357, 32.6538



19.8373, 16.6357, 13.4686

Complementary

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



12.6427, 16.6357, 12.2175



14.6244, 12.1014, 18.7051

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.



20.2981, 16.6357, 19.0375



12.6427, 16.6357, 12.2175



17.6641, 16.6357, 31.0144

Square

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



12.6427, 16.6357, 12.2175



13.5907, 16.6357, 29.7318



19.4705, 16.6357, 25.6539



18.2625, 16.6357, 10.0013

Rectangle

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



12.6427, 16.6357, 12.2175



12.1575, 16.6357, 21.4833



19.4705, 16.6357, 25.6539



20.1334, 16.6357, 15.1158

Sweetspot

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



12.6431, 16.6364, 12.2179



28.8688, 32.4638, 31.7159



16.1656, 18.4714, 11.5174



6.4987, 7.3736, 7.0961



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.



12.6431, 16.6364, 12.2179



20.5662, 28.4598, 18.8532



13.4833, 16.9724, 16.6418



3.9673, 4.4565, 4.3618



7.4058, 14.6860, 2.8558



35.1622, 69.9879, 12.7579

Inverse Universe

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



14.6244, 12.1014, 18.7051



24.6106, 19.1984, 32.0931



13.6739, 11.7212, 13.7004



4.1362, 4.0702, 4.9150



11.3229, 5.5053, 15.5233



53.8162, 26.1828, 73.0195

Previews

White Background



This preview shows how the XYZ color 12.6427, 16.6357, 12.2175 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 12.6427, 16.6357, 12.2175 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 12.6427, 16.6357, 12.2175

Background



This preview shows how black text looks on a background with the XYZ color 12.6427, 16.6357, 12.2175.



This preview shows how white text looks on a background with the XYZ color 12.6427, 16.6357,

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

12.6427, 16.6357, 12.2175

Protanopia

15.4700, 16.5471, 11.1826

Deuteranopia

16.8045, 16.5529, 12.6653



Tritanopia

14.7063, 16.5820, 22.5042

Trichromacy



Original Color

12.6427, 16.6357, 12.2175

Protanomaly

14.1500, 16.3670, 11.4302

Deuteranomaly

15.0193, 16.4522, 12.5092

Tritanomaly

13.8505, 16.5822, 18.3903

Monochromacy



Original Color

12.6427, 16.6357, 12.2175

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.5096, 15.4592, 14.5838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6427, 16.6357, 12.2175 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(86, 122, 90) looks like.

```
.text, #text, p{  
    color:rgb(86, 122, 90)  
}
```

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(86, 122, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 122, 90) }
```

Border

The CSS property to change the border of an element to XYZ 12.6427, 16.6357, 12.2175 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(86, 122, 90) }
```


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

```
.border{ border-color:rgb(86, 122, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 122, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 122, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 122, 90);  
box-shadow:4px 4px 4px 4px rgb(86, 122,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6427, 16.6357, 12.2175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 122, 90) }
```

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

```
.background{ background-color: rgb(86, 122,  
90) }
```

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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