

Converting Colors

XYZ(16.2137, 21.6784, 12.2504)

Have a look what the booklet for
XYZ(16.2137, 21.6784, 12.2504)
contains.

XYZ(16.1756, 21.6318, 12.3396)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.1756, 21.6318,
12.3396)**

Conversions

Conversions Part 1

Format	Color
Hex	658A57
RGB	101, 138, 87
RGB Percent	40%, 54%, 34%
CMY	0.6039, 0.4588, 0.6588
CMYK	0.27, 0.00, 0.37, 0.46
HSL	104°, 23%, 44%
HSV	104°, 37%, 54%
XYZ	16.1756, 21.6318, 12.3396
YIQ	121.1230, -5.6810, -23.7050

Conversions

Conversions Part 2

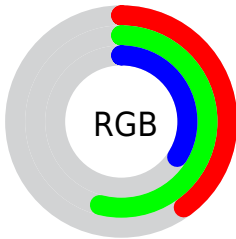
Format	Color
R_{YB}	87, 138, 124
Decimal	6654551
CIE _{Lab}	53.63, -23.06, 23.27
CIE _{LCh}	54, 32.766, 134.741
Yxy	21.6318, 0.3226, 0.4314
Android (android.graphics.Color)	4284844631 (0xFF658A57)
YUV	121.1230, -16.8226, -17.6479
Hunter-Lab	46.5100, -19.3124, 16.8267

Details

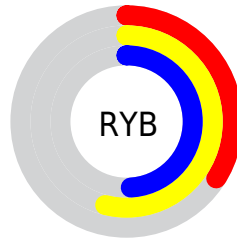
The XYZ color **16.1756, 21.6318, 12.3396** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.3088, 12.9371, 25.6835**, and the grayscale version is **18.2682, 19.2196, 20.9301**.

A 20% lighter version of the original color is **36.5019, 46.2777, 30.6756**, and **5.3061, 7.8696, 3.3371** is the 20% darker color. If you saturate the color by 10%, you get **14.6114, 20.8851, 9.5995**, and if you desaturate by 10%, it is **17.9853, 22.4939, 15.6549**.

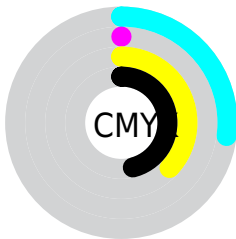
Distribution



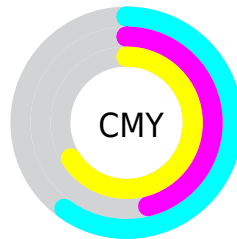
- Red (40%)
- Green (54%)
- Blue (34%)



- Red (34%)
- Yellow (54%)
- Blue (49%)



- Cyan (27%)
- Magenta (0%)
- Yellow (37%)
- Black (46%)



- Cyan (60%)
- Magenta (46%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1756, 21.6318, 12.3396 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 16.1756, 21.6318, 12.3396 by changing the saturation by 10% instead.

■ 16.1756, 21.6318,
12.3396

■ 16.1756, 21.6318,
12.3396

223.6258,
260.6174, 217.6978

■ 9.7401, 13.5866,
6.8501

■ 36.4578, 46.1367,
30.7857

■ 5.2879, 7.8337,
3.2915

■ 51.0352, 63.3652,
44.5794

■ 2.4537, 3.9887,
1.2453

■ 69.0573, 84.4235,
61.9782

■ 0.8719, 1.6673,
0.0163

■ 90.8895, 109.6962,
83.4006

■ 0.0000, 0.4023,
0.0000

■ 116.8970,
139.5675, 109.2653

■ 0.0000, 0.0000,
0.0000

147.4454,

174.4218, 139.9907

182.8998,
214.6437, 175.9953

■ 16.1756, 21.6318,
12.3396

■ 16.1756, 21.6318,
12.3396

■ 14.6114, 20.8851,
9.5995

■ 17.9853, 22.4939,
15.6549

■ 13.2800, 20.2461,
7.4003

■ 20.0493, 23.4733,
19.5739

■ 12.1701, 19.7102,
5.7067


■ 22.3776, 24.5753,
24.1253


■ 11.2684, 19.2716,
4.4782


■ 24.9797, 25.8041,
29.3351

■ 10.5602, 18.9237,
3.6683


■ 27.8640, 27.1635,
35.2283


 10.0234, 18.6570,
3.1935

 31.0391, 28.6575,
41.8282

 9.8838, 18.5876,
3.0668

 34.5127, 30.2897,
49.1573

 38.2928, 32.0634,
57.2369

 42.3865, 33.9822,
66.0875

Harmonies

Analogous

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



18.8942, 21.6318, 9.3931



16.1756, 21.6318, 12.3396



14.7245, 21.6318, 18.8339

Triad

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



16.1756, 21.6318, 12.3396



18.8387, 21.6318, 47.4857



27.7838, 21.6318, 18.9795

Complementary

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



16.1756, 21.6318, 12.3396



16.3088, 12.9371, 25.6835

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.



27.7646, 21.6318, 29.0019



16.1756, 21.6318, 12.3396



22.3217, 21.6318, 47.5578

Square

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



16.1756, 21.6318, 12.3396



16.1389, 21.6318, 39.9019



25.6736, 21.6318, 40.0776



25.7236, 21.6318, 12.4200

Rectangle

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



16.1756, 21.6318, 12.3396



14.5536, 21.6318, 25.1833



25.6736, 21.6318, 40.0776



28.0273, 21.6318, 21.9953

Sweetspot

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



16.1761, 21.6327, 12.3401



37.6288, 42.4583, 38.9515



19.3538, 20.3951, 11.9337



8.3347, 9.4734, 8.5309



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.1761, 21.6327, 12.3401



26.2763, 37.0619, 17.8152



15.2266, 21.0870, 14.8358



5.0924, 5.6704, 5.3785



9.0743, 17.0480, 2.8123



0.0729, 0.1197, 0.0193

Inverse Universe

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



16.3088, 12.9371, 25.6835



26.5329, 19.5035, 44.7493



17.7177, 13.7512, 21.7830



5.1023, 5.0611, 6.3138



9.0514, 4.1803, 22.3755



0.0743, 0.0351, 0.1493

Previews

White Background



This preview shows how the XYZ color 16.1756, 21.6318, 12.3396 looks on a white 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

Black Background



This preview shows how the XYZ color 16.1756, 21.6318, 12.3396 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.1756, 21.6318, 12.3396

Background



This preview shows how black text looks on a background with the XYZ color 16.1756, 21.6318, 12.3396.



This preview shows how white text looks on a background with the XYZ color 16.1756, 21.6318,

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

16.1756, 21.6318, 12.3396

Protanopia

19.9280, 21.5518, 11.2932

Deuteranopia

21.7968, 21.3498, 12.8696



Tritanopia

19.4292, 21.5006, 28.7172

Trichromacy



Original Color

16.1756, 21.6318, 12.3396

Protanomaly

18.3089, 21.5026, 11.5729

Deuteranomaly

19.2375, 21.1631, 12.7438

Tritanomaly

18.1014, 21.5811, 21.6239

Monochromacy



Original Color

16.1756, 21.6318, 12.3396

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.2891, 19.8603, 17.3902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1756, 21.6318, 12.3396 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(101, 138, 87)` looks like.

```
.text, #text, p{  
    color:rgb(101, 138, 87)  
}
```

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(101, 138, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 138, 87) }
```

Border

The CSS property to change the border of an element to XYZ 16.1756, 21.6318, 12.3396 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(101, 138, 87) }
```


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

```
.border{ border-color:rgb(101, 138, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 138, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 138, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 138, 87);  
box-shadow:4px 4px 4px 4px rgb(101, 138,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1756, 21.6318, 12.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 138, 87) }
```

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

```
.background{ background-color: rgb(101,  
138, 87) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor