

Converting Colors

XYZ(16.6515, 21.7429, 15.7737)

Have a look what the booklet for
XYZ(16.6515, 21.7429, 15.7737)
contains.

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Color

**XYZ(16.7423, 21.8456,
15.9046)**

Conversions

Conversions Part 1

Format	Color
Hex	648A66
RGB	100, 138, 102
RGB Percent	39%, 54%, 40%
CMY	0.6078, 0.4588, 0.6000
CMYK	0.28, 0.00, 0.26, 0.46
HSL	123°, 16%, 47%
HSV	123°, 28%, 54%
XYZ	16.7423, 21.8456, 15.9046
YIQ	122.5340, -11.0920, -19.2520

Conversions

Conversions Part 2

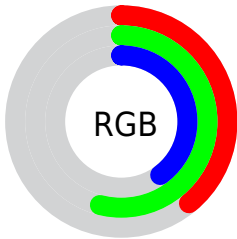
Format	Color
R_{YB}	100, 136, 138
Decimal	6589030
CIE _{Lab}	53.86, -20.85, 15.12
CIE _{LCh}	54, 25.758, 144.046
Yxy	21.8456, 0.3072, 0.4009
Android (android.graphics.Color)	4284779110 (0xFF648A66)
YUV	122.5340, -10.1233, -19.7623
Hunter-Lab	46.7393, -17.8539, 12.5421

Details

The XYZ color **16.7423, 21.8456, 15.9046** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.4831, 16.2957, 25.4120**, and the grayscale version is **18.7087, 19.6830, 21.4348**.

A 20% lighter version of the original color is **37.5483, 46.6746, 37.1671**, and **5.5955, 7.9853, 4.8608** is the 20% darker color. If you saturate the color by 10%, you get **14.7453, 20.8858, 12.6895**, and if you desaturate by 10%, it is **19.1013, 22.9814, 19.6715**.

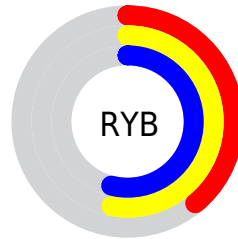
Distribution



Red (39%)

Green (54%)

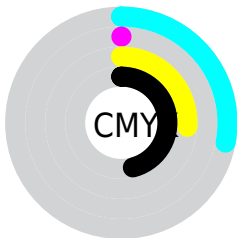
Blue (40%)



Red (39%)

Yellow (53%)

Blue (54%)

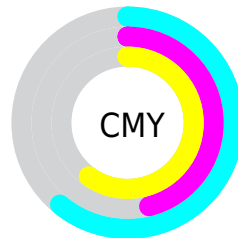


Cyan (28%)

Magenta (0%)

Yellow (26%)

Black (46%)



Cyan (61%)

Magenta (46%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7423, 21.8456, 15.9046 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 16.7423, 21.8456, 15.9046 by changing the saturation by 10% instead.

■ 16.7423, 21.8456,
15.9046

■ 16.7423, 21.8456,
15.9046

226.8682,
261.7389, 240.6046

■ 10.1451, 13.7435,
9.3030

■ 37.4293, 46.4907,
37.1970

■ 5.5583, 7.9425,
4.8399

■ 52.2498, 63.8024,
52.7249

■ 2.6165, 4.0582,
2.0965

■ 70.5421, 84.9529,
72.0654

■ 0.9544, 1.7062,
0.6137

■ 92.6716, 110.3264,
95.6369

■ 0.0000, 0.4276,
0.0000

119.0036,
140.3073, 123.8580

■ 0.0000, 0.0000,
0.0000

149.9034,

175.2801, 157.1473

185.7365,
215.6292, 195.9233

■ 16.7423, 21.8456,
15.9046

■ 16.7423, 21.8456,
15.9046

■ 14.7453, 20.8858,
12.6895

■ 19.1013, 22.9814,
19.6715

■ 13.0908, 20.0907,
9.9988

■ 21.8373, 24.2986,
24.0127

■ 11.7600, 19.4519,
7.8052

■ 24.9662, 25.8055,
28.9514

■ 10.7317, 18.9589,
6.0783

■ 28.5028, 27.5094,
34.5092

■ 9.9821, 18.6004,
4.7843

■ 32.4610, 29.4168,
40.7062

■ 9.4840, 18.3630,
3.8848

■ 36.8540, 31.5343,
47.5621

■ 9.1889, 18.2227,
3.3342

■ 41.6946, 33.8680,
55.0953

■ 9.1287, 18.1937,
3.2392

■ 46.9949, 36.4238,
63.3239

■ 52.7666, 39.2073,
72.2650

Harmonies

Analogous

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



18.6674, 21.8456, 12.3952



16.7423, 21.8456, 15.9046



15.9023, 21.8456, 22.2381

Triad

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



16.7423, 21.8456, 15.9046



20.2158, 21.8456, 42.4199



26.0193, 21.8456, 18.0945

Complementary

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



16.7423, 21.8456, 15.9046



19.4831, 16.2957, 25.4120

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.



26.5266, 21.8456, 25.4044



16.7423, 21.8456, 15.9046



23.0112, 21.8456, 40.6197

Square

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



16.7423, 21.8456, 15.9046



17.7897, 21.8456, 38.3999



25.3821, 21.8456, 33.9175



24.0517, 21.8456, 13.4487

Rectangle

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



16.7423, 21.8456, 15.9046



16.0118, 21.8456, 27.6850



25.3821, 21.8456, 33.9175



26.3732, 21.8456, 20.2716

Sweetspot

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



16.7429, 21.8465, 15.9051



38.1643, 42.6717, 41.8088



21.5593, 24.3408, 15.6188



8.4065, 9.4971, 9.1344



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.



16.7429, 21.8465, 15.9051



27.2659, 37.4268, 24.4262



17.7897, 22.2653, 21.4177



4.9818, 5.6122, 5.4254



8.3711, 16.6810, 2.9790



0.0568, 0.1113, 0.0262

Inverse Universe

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



19.4831, 16.2957, 25.4120



32.9200, 25.9708, 44.0411



18.2559, 15.8048, 18.9495



5.2227, 5.1245, 6.2610



13.3512, 6.4506, 20.1517



0.0903, 0.0435, 0.1424

Previews

White Background



This preview shows how the XYZ color 16.7423, 21.8456, 15.9046 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 16.7423, 21.8456, 15.9046 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 16.7423, 21.8456, 15.9046

Background



This preview shows how black text looks on a background with the XYZ color 16.7423, 21.8456, 15.9046.



This preview shows how white text looks on a background with the XYZ color 16.7423, 21.8456,

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

16.7423, 21.8456, 15.9046

Protanopia

20.1934, 21.6198, 14.4180

Deuteranopia

22.0272, 21.5754, 16.3681



Tritanopia

19.4089, 21.8840, 29.1877

Trichromacy



Original Color

16.7423, 21.8456, 15.9046

Protanomaly

18.8156, 21.6885, 14.9990

Deuteranomaly

19.5779, 21.2631, 16.1690

Tritanomaly

18.2692, 21.8295, 23.6727

Monochromacy



Original Color

16.7423, 21.8456, 15.9046

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.8839, 20.3210, 19.1994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7423, 21.8456, 15.9046 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(100, 138, 102)` looks like.

```
.text, #text, p{  
    color:rgb(100, 138, 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(100, 138, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 138, 102) }
```

Border

The CSS property to change the border of an element to XYZ 16.7423, 21.8456, 15.9046 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(100, 138, 102) }
```


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

```
.border{ border-color:rgb(100, 138, 102) }
```

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

Here you see how a box with a 4 pixel rgb(100, 138, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 138, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 138, 102);  
box-shadow:4px 4px 4px 4px rgb(100, 138,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7423, 21.8456, 15.9046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 138, 102) }
```

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

```
.background{ background-color: rgb(100,  
138, 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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