

Converting Colors

XYZ(16.7246, 23.4401, 19.5100)

Have a look what the booklet for
XYZ(16.7246, 23.4401, 19.5100)
contains.

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Color

**XYZ(16.7958, 23.5665,
19.5831)**

Conversions

Conversions Part 1

Format	Color
Hex	529272
RGB	82, 146, 114
RGB Percent	32%, 57%, 45%
CMY	0.6784, 0.4274, 0.5529
CMYK	0.44, 0.00, 0.22, 0.43
HSL	150°, 28%, 45%
HSV	150°, 44%, 57%
XYZ	16.7958, 23.5665, 19.5831
YIQ	123.2160, -27.8720, -23.5200

Conversions

Conversions Part 2

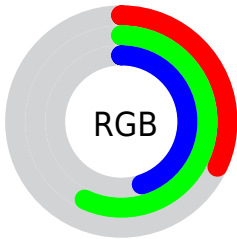
Format	Color
RYB	82, 125, 146
Decimal	5411442
CIELab	55.65, -28.26, 10.64
CIELCh	56, 30.198, 159.364
Yxy	23.5665, 0.2802, 0.3931
Android (android.graphics.Color)	4283601522 (0xFF529272)
YUV	123.2160, -4.5435, -36.1464
Hunter-Lab	48.5453, -23.1966, 10.0643

Details

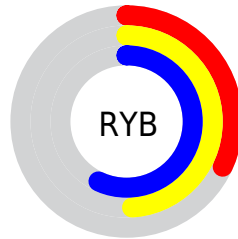
The XYZ color **16.7958, 23.5665, 19.5831** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.9094, 13.3610, 17.5555**, and the grayscale version is **18.9197, 19.9050, 21.6765**.

A 20% lighter version of the original color is **37.5289, 49.2126, 43.5974**, and **5.5823, 8.8390, 6.5661** is the 20% darker color. If you saturate the color by 10%, you get **15.2598, 22.8214, 17.4282**, and if you desaturate by 10%, it is **18.6365, 24.4661, 21.9264**.

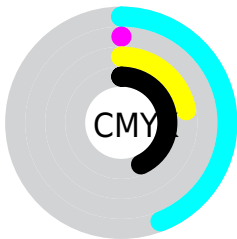
Distribution



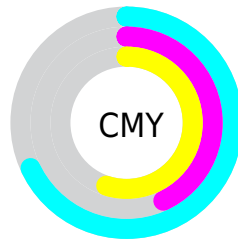
- Red (32%)
- Green (57%)
- Blue (45%)



- Red (32%)
- Yellow (49%)
- Blue (57%)



- Cyan (44%)
- Magenta (0%)
- Yellow (22%)
- Black (43%)



- Cyan (68%)
- Magenta (43%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7958, 23.5665, 19.5831 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 16.7958, 23.5665, 19.5831 by changing the saturation by 10% instead.

■ 16.7958, 23.5665,
19.5831

■ 16.7958, 23.5665,
19.5831

227.1721,
270.6215, 262.1783

■ 10.1834, 15.0124,
11.9113

■ 37.5207, 49.3219,
43.5668

■ 5.5839, 8.8281,
6.5615

■ 52.3640, 67.2919,
60.7159

■ 2.6320, 4.6292,
3.1152

■ 70.6816, 89.1693,
81.8611

■ 0.9623, 2.0314,
1.1537

■ 92.8389, 115.3385,
107.4210

■ 0.0000, 0.6256,
0.0000

■ 119.2013,
146.1840, 137.8141

■ 0.0000, 0.0000,
0.0000

150.1340,

182.0900, 173.4590

186.0025,
223.4410, 214.7742

■ 16.7958, 23.5665,
19.5831

■ 16.7958, 23.5665,
19.5831

■ 15.2598, 22.8214,
17.4282

■ 18.6365, 24.4661,
21.9264

■ 14.0084, 22.2187,
15.4553

■ 20.7963, 25.5257,
24.4613

■ 13.0222, 21.7490,
13.6598


■ 23.2913, 26.7540,
27.1926


■ 12.2783, 21.4007,
12.0363


■ 26.1358, 28.1584,
30.1247


■ 11.7492, 21.1596,
10.5789


■ 29.3430, 29.7457,
33.2619

 11.4819, 21.0397,
9.7591

 32.9258, 31.5224,
36.6081

 36.8962, 33.4945,
40.1672

 41.2657, 35.6680,
43.9431

 46.0453, 38.0485,
47.9395

Harmonies

Analogous

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



18.4850, 23.5665, 13.6879



16.7958, 23.5665, 19.5831



16.5216, 23.5665, 28.8451

Triad

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



16.7958, 23.5665, 19.5831



23.4855, 23.5665, 49.0647



27.8728, 23.5665, 15.4797

Complementary

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



16.7958, 23.5665, 19.5831



17.9094, 13.3610, 17.5555

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.



29.5278, 23.5665, 22.7183



16.7958, 23.5665, 19.5831



26.8304, 23.5665, 43.1309

Square

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



16.7958, 23.5665, 19.5831



20.1625, 23.5665, 47.6058



29.1280, 23.5665, 32.8794



24.7956, 23.5665, 11.7711

Rectangle

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



16.7958, 23.5665, 19.5831



17.1470, 23.5665, 36.0375



29.1280, 23.5665, 32.8794



28.6274, 23.5665, 17.4944

Sweetspot

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



16.7964, 23.5675, 19.5836



41.3574, 47.3286, 48.2554



18.8816, 24.8174, 11.7780



8.9917, 10.4259, 10.5129



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.7964, 23.5675, 19.5836



26.8610, 40.2299, 30.6581



18.8650, 24.3949, 30.4766



5.8433, 6.5139, 6.7855



10.1150, 18.5188, 8.6469



0.1387, 0.2326, 0.1840

Inverse Universe

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



17.9094, 13.3610, 17.5555



29.0965, 19.7288, 26.5843



16.4359, 12.7716, 9.7963



5.9145, 5.8609, 6.6558



11.5013, 5.8056, 6.1206



0.1556, 0.0770, 0.1531

Previews

White Background



This preview shows how the XYZ color 16.7958, 23.5665, 19.5831 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 16.7958, 23.5665, 19.5831 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 16.7958, 23.5665, 19.5831

Background



This preview shows how black text looks on a background with the XYZ color 16.7958, 23.5665, 19.5831.



This preview shows how white text looks on a background with the XYZ color 16.7958, 23.5665,

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

16.7958, 23.5665, 19.5831

Protanopia

21.8896, 23.2268, 17.2394

Deuteranopia

23.7517, 23.3257, 20.3900



Tritanopia

19.5068, 23.5409, 33.2215

Trichromacy



Original Color

16.7958, 23.5665, 19.5831

Protanomaly

19.5059, 23.0102, 18.1652

Deuteranomaly

20.4790, 23.0479, 20.1990

Tritanomaly

18.4344, 23.5546, 27.6197

Monochromacy



Original Color

16.7958, 23.5665, 19.5831

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.6908, 20.7768, 20.8472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7958, 23.5665, 19.5831 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, 146, 114)` looks like.

```
.text, #text, p{  
    color:rgb(82, 146, 114)  
}
```

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, 146, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 146, 114) }
```

Border

The CSS property to change the border of an element to XYZ 16.7958, 23.5665, 19.5831 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, 146, 114) }
```


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

```
.border{ border-color:rgb(82, 146, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 146, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 146, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 146, 114);  
box-shadow:4px 4px 4px 4px rgb(82, 146,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7958, 23.5665, 19.5831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 146, 114) }
```

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

```
.background{ background-color: rgb(82, 146,  
114) }
```

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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