

Converting Colors

XYZ(23.0717, 31.8066, 16.8429)

Have a look what the booklet for
XYZ(23.0717, 31.8066, 16.8429)
contains.

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Color

**XYZ(23.0908, 31.8863,
16.7420)**

Conversions

Conversions Part 1

Format	Color
Hex	74A663
RGB	116, 166, 99
RGB Percent	45%, 65%, 39%
CMY	0.5451, 0.3490, 0.6118
CMYK	0.30, 0.00, 0.40, 0.35
HSL	105°, 27%, 52%
HSV	105°, 40%, 65%
XYZ	23.0908, 31.8863, 16.7420
YIQ	143.4120, -8.2930, -31.4370

Conversions

Conversions Part 2

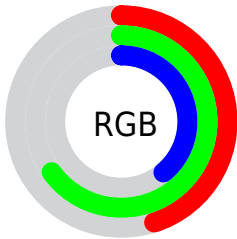
Format	Color
RYB	99, 166, 149
Decimal	7644771
CIELab	63.25, -29.60, 29.49
CIElCh	63, 41.784, 135.110
Yxy	31.8863, 0.3220, 0.4446
Android (android.graphics.Color)	4285834851 (0xFF74A663)
YUV	143.4120, -21.8951, -24.0403
Hunter-Lab	56.4680, -25.8269, 21.9489

Details

The XYZ color **23.0908, 31.8863, 16.7420** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.7406, 18.0673, 38.3142**, and the grayscale version is **26.3612, 27.7340, 30.2023**.

A 20% lighter version of the original color is **48.0199, 62.4933, 38.8097**, and **8.7948, 13.3975, 5.2544** is the 20% darker color. If you saturate the color by 10%, you get **20.8391, 30.8089, 12.9113**, and if you desaturate by 10%, it is **25.7269, 33.1449, 21.4436**.

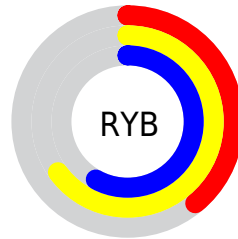
Distribution



Red (45%)

Green (65%)

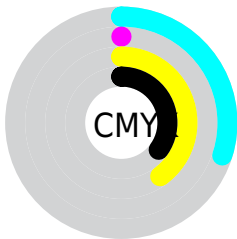
Blue (39%)



Red (39%)

Yellow (65%)

Blue (58%)

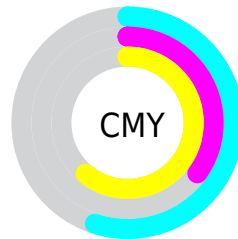


Cyan (30%)

Magenta (0%)

Yellow (40%)

Black (35%)



Cyan (55%)


Magenta (35%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0908, 31.8863, 16.7420 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 23.0908, 31.8863, 16.7420 by changing the saturation by 10% instead.


 23.0908, 31.8863,
16.7420


 23.0908, 31.8863,
16.7420


260.7177,
310.6010, 245.6746


 14.7816, 21.2747,
9.8907


 48.0079, 62.6328,
38.6662


 8.7516, 13.3249,
5.2219


 65.3466, 83.5365,
54.5762

 4.6353, 7.6527,
2.3170


 86.4258, 108.6396,
74.3428

 2.0675, 3.8735,
0.7407

 111.6110,
138.3266, 98.3846

 0.6714, 1.6031,
0.0000

141.2674,
172.9818, 127.1202

 0.0000, 0.3597,
0.0000

175.7604,

 0.0000, 0.0000,

212.9897, 160.9680

0.0000

215.4553,
258.7346, 200.3466

■ 23.0908, 31.8863,
16.7420

■ 23.0908, 31.8863,
16.7420

■ 20.8391, 30.8089,
12.9113

■ 25.7269, 33.1449,
21.4436

■ 18.9508, 29.9002,
9.8961

■ 28.7624, 34.5885,
27.0628

■ 17.4062, 29.1524,
7.6376


■ 32.2143, 36.2259,
33.6457


■ 16.1827, 28.5551,
6.0684


■ 36.0980, 38.0641,
41.2346


■ 15.2548, 28.0970,
5.1095


■ 40.4281, 40.1097,
49.8691

 14.5965, 27.7684,
4.5905

 45.2182, 42.3690,
59.5868

 50.4818, 44.8481,
70.4236

 56.2315, 47.5527,
82.4134

 62.4794, 50.4885,
95.5890

Harmonies

Analogous

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



27.4993, 31.8863, 12.1535



23.0908, 31.8863, 16.7420



20.7793, 31.8863, 27.1603

Triad

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



23.0908, 31.8863, 16.7420



27.5380, 31.8863, 75.4942



42.3620, 31.8863, 27.0602

Complementary

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



23.0908, 31.8863, 16.7420



23.7406, 18.0673, 38.3142

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.



42.3758, 31.8863, 43.5636



23.0908, 31.8863, 16.7420



33.2995, 31.8863, 75.4412

Square

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



23.0908, 31.8863, 16.7420



23.1160, 31.8863, 62.5263



38.8888, 31.8863, 62.3986



38.8532, 31.8863, 16.6889

Rectangle

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



23.0908, 31.8863, 16.7420



20.5243, 31.8863, 37.6336



38.8888, 31.8863, 62.3986



42.7889, 31.8863, 31.9584

Sweetspot

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



23.0916, 31.8877, 16.7427



57.2386, 65.1632, 58.7013



28.5902, 30.2309, 16.1331



12.6300, 14.4975, 12.7928



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.0916, 31.8877, 16.7427



38.3779, 56.1807, 24.3586



21.8562, 31.1559, 20.9717



7.6085, 8.4963, 8.0282



11.3561, 21.5515, 3.5613



0.3221, 0.5479, 0.0888

Inverse Universe

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



23.7406, 18.0673, 38.3142



39.6886, 27.7353, 68.7369



25.7235, 19.2453, 31.3695



7.6533, 7.5694, 9.4760



11.8148, 5.4742, 28.4094



0.3305, 0.1554, 0.6932

Previews

White Background



This preview shows how the XYZ color 23.0908, 31.8863, 16.7420 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.0908, 31.8863, 16.7420 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 ✓ Pass

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

XYZ 23.0908, 31.8863, 16.7420

Background



This preview shows how black text looks on a background with the XYZ color 23.0908, 31.8863, 16.7420.



This preview shows how white text looks on a background with the XYZ color 23.0908, 31.8863,

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

23.0908, 31.8863, 16.7420

Protanopia

29.3480, 31.8061, 15.1821

Deuteranopia

32.0690, 31.5023, 17.4870



Tritanopia

28.3846, 31.9452, 42.7002

Trichromacy



Original Color

23.0908, 31.8863, 16.7420

Protanomaly

26.5509, 31.5941, 15.7652

Deuteranomaly

27.8901, 31.0109, 17.0861

Tritanomaly

26.0911, 31.7884, 31.1462

Monochromacy



Original Color

23.0908, 31.8863, 16.7420

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.5702, 28.6521, 24.3141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0908, 31.8863, 16.7420 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(116, 166, 99)` looks like.

```
.text, #text, p{  
    color:rgb(116, 166, 99)  
}
```

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(116, 166, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 166, 99) }
```

Border

The CSS property to change the border of an element to XYZ 23.0908, 31.8863, 16.7420 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(116, 166, 99) }
```


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

```
.border{ border-color:rgb(116, 166, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 166, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 166, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 166, 99);  
box-shadow:4px 4px 4px 4px rgb(116, 166,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0908, 31.8863, 16.7420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 166, 99) }
```

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

```
.background{ background-color: rgb(116,  
166, 99) }
```

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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