

Converting Colors

XYZ(23.6363, 32.4993, 16.5837)

Have a look what the booklet for
XYZ(23.6363, 32.4993, 16.5837)
contains.

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Color

**XYZ(23.6311, 32.4412,
16.5716)**

Conversions

Conversions Part 1

Format	Color
Hex	77A762
RGB	119, 167, 98
RGB Percent	47%, 65%, 38%
CMY	0.5333, 0.3451, 0.6157
CMYK	0.29, 0.00, 0.41, 0.35
HSL	102°, 28%, 52%
HSV	102°, 41%, 65%
XYZ	23.6311, 32.4412, 16.5716
YIQ	144.7820, -6.4590, -31.6350

Conversions

Conversions Part 2

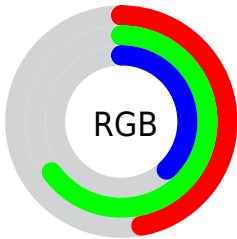
Format	Color
RYB	98, 167, 146
Decimal	7841634
CIELab	63.71, -29.16, 30.64
CIElCh	64, 42.298, 133.578
Yxy	32.4412, 0.3253, 0.4466
Android (android.graphics.Color)	4286031714 (0xFF77A762)
YUV	144.7820, -23.0635, -22.6108
Hunter-Lab	56.9572, -25.6168, 22.6197

Details

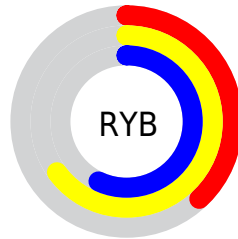
The XYZ color **23.6311, 32.4412, 16.5716** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.1982, 17.6374, 38.7426**, and the grayscale version is **26.9184, 28.3202, 30.8407**.

A 20% lighter version of the original color is **48.8599, 63.3288, 38.5027**, and **9.0904, 13.7207, 5.1869** is the 20% darker color. If you saturate the color by 10%, you get **21.4254, 31.3869, 12.7731**, and if you desaturate by 10%, it is **26.1979, 33.6646, 21.2472**.

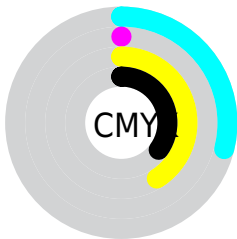
Distribution



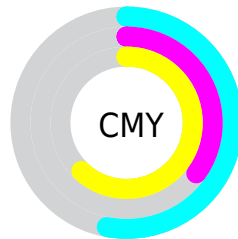
- Red (47%)
- Green (65%)
- Blue (38%)



- Red (38%)
- Yellow (65%)
- Blue (57%)



- Cyan (29%)
- Magenta (0%)
- Yellow (41%)
- Black (35%)



- Cyan (53%)
- Magenta (35%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6311, 32.4412, 16.5716 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 23.6311, 32.4412, 16.5716 by changing the saturation by 10% instead.

■ 23.6311, 32.4412,
16.5716

■ 23.6311, 32.4412,
16.5716

263.4253,
313.1242, 244.6512

■ 15.1834, 21.6987,
9.7708

■ 48.8866, 63.5021,
38.3682

■ 9.0354, 13.6357,
5.1437

■ 66.4252, 84.5893,
54.2011

■ 4.8216, 7.8677,
2.2716

■ 87.7248, 109.8936,
73.8819

■ 2.1766, 4.0104,
0.7152

■ 113.1507,
139.7993, 97.8289

■ 0.7304, 1.6794,
0.0000

143.0684,
174.6908, 126.4608

■ 0.0000, 0.4103,
0.0000

177.8431,

■ 0.0000, 0.0000,

214.9525, 160.1961

0.0000

217.8403,
260.9688, 199.4534

■ 23.6311, 32.4412,
16.5716

■ 23.6311, 32.4412,
16.5716

■ 21.4254, 31.3869,
12.7731

■ 26.1979, 33.6646,
21.2472

■ 19.5611, 30.4898,
9.7948

■ 29.1395, 35.0601,
26.8476

■ 18.0201, 29.7429,
7.5768


■ 32.4717, 36.6359,
33.4198


■ 16.7814, 29.1368,
6.0497


■ 36.2087, 38.3983,
41.0068


■ 15.8210, 28.6611,
5.1318


■ 40.3639, 40.3535,
49.6492

 15.1757, 28.3379,
4.6699

 44.9502, 42.5070,
59.3852

 49.9798, 44.8646,
70.2512

 55.4644, 47.4314,
82.2819

 61.4154, 50.2126,
95.5105

Harmonies

Analogous

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



28.2371, 32.4412, 12.1580



23.6311, 32.4412, 16.5716



21.1496, 32.4412, 26.8813

Triad

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



23.6311, 32.4412, 16.5716



27.7255, 32.4412, 76.7544



43.2824, 32.4412, 28.2055

Complementary

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



23.6311, 32.4412, 16.5716



23.1982, 17.6374, 38.7426

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.



43.0993, 32.4412, 45.3693



23.6311, 32.4412, 16.5716



33.5862, 32.4412, 77.4592

Square

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



23.6311, 32.4412, 16.5716



23.2980, 32.4412, 62.9148



39.3703, 32.4412, 64.6113



39.8424, 32.4412, 17.2722

Rectangle

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



23.6311, 32.4412, 16.5716



20.8074, 32.4412, 37.3980



39.3703, 32.4412, 64.6113



43.6547, 32.4412, 33.3261

Sweetspot

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



23.6319, 32.4426, 16.5723



57.5857, 65.3421, 58.7175



28.2906, 29.3954, 15.7386



12.7144, 14.5410, 12.7967



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.



23.6319, 32.4426, 16.5723



38.5203, 56.2816, 23.1254



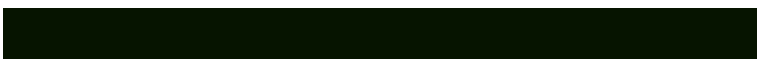
21.7067, 31.3756, 19.8508



7.6435, 8.5143, 8.0298



11.6568, 21.7065, 3.5754



0.3350, 0.5546, 0.0894

Inverse Universe

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



23.1982, 17.6374, 38.7426



37.6060, 25.9630, 68.5046



26.1672, 19.2965, 33.0718



7.6164, 7.5504, 9.4743



10.9184, 5.0121, 28.3675



0.3140, 0.1468, 0.6924

Previews

White Background



This preview shows how the XYZ color 23.6311, 32.4412, 16.5716 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 23.6311, 32.4412, 16.5716 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 23.6311, 32.4412, 16.5716

Background



This preview shows how black text looks on a background with the XYZ color 23.6311, 32.4412, 16.5716.



This preview shows how white text looks on a background with the XYZ color 23.6311, 32.4412,

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

23.6311, 32.4412, 16.5716

Protanopia

29.6798, 32.2263, 15.0119

Deuteranopia

32.6491, 32.0371, 17.2949



Tritanopia

28.9376, 32.2193, 43.2218

Trichromacy



Original Color

23.6311, 32.4412, 16.5716

Protanomaly

27.0414, 32.1065, 15.5984

Deuteranomaly

28.4018, 31.5244, 16.8998

Tritanomaly

26.5313, 32.0154, 31.1668

Monochromacy



Original Color

23.6311, 32.4412, 16.5716

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.4409, 29.5752, 24.7898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6311, 32.4412, 16.5716 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(119, 167, 98)` looks like.

```
.text, #text, p{  
    color:rgb(119, 167, 98)  
}
```

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(119, 167, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 167, 98) }
```

Border

The CSS property to change the border of an element to XYZ 23.6311, 32.4412, 16.5716 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(119, 167, 98) }
```


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

```
.border{ border-color:rgb(119, 167, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 167, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 167, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 167, 98);  
box-shadow:4px 4px 4px 4px rgb(119, 167,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6311, 32.4412, 16.5716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 167, 98) }
```

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

```
.background{ background-color: rgb(119,  
167, 98) }
```

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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