

Converting Colors

XYZ(16.8762, 23.1349, 19.2199)

Have a look what the booklet for
XYZ(16.8762, 23.1349, 19.2199)
contains.

XYZ(16.8844, 23.1650, 19.2042)	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(16.8844, 23.1650,
19.2042)**

Conversions

Conversions Part 1

Format	Color
Hex	579071
RGB	87, 144, 113
RGB Percent	34%, 56%, 44%
CMY	0.6588, 0.4353, 0.5569
CMYK	0.40, 0.00, 0.22, 0.44
HSL	147°, 25%, 45%
HSV	147°, 40%, 56%
XYZ	16.8844, 23.1650, 19.2042
YIQ	123.4230, -24.0210, -21.7250

Conversions

Conversions Part 2

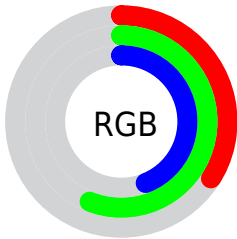
Format	Color
R _Y B	87, 126, 144
Decimal	5738609
CIE Lab	55.24, -26.00, 10.67
CIE LCh	55, 28.108, 157.691
Yxy	23.1650, 0.2850, 0.3909
Android (android.graphics.Color)	4283928689 (0xFF579071)
YUV	123.4230, -5.1385, -31.9430
Hunter-Lab	48.1300, -21.6083, 10.0339

Details

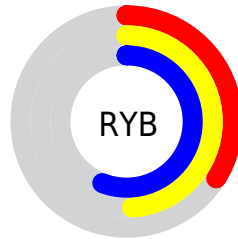
The XYZ color **16.8844, 23.1650, 19.2042** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.1806, 14.0543, 18.8950**, and the grayscale version is **18.9892, 19.9781, 21.7562**.

A 20% lighter version of the original color is **37.6331, 48.5937, 42.9934**, and **5.5960, 8.5854, 6.3632** is the 20% darker color. If you saturate the color by 10%, you get **15.2497, 22.3717, 16.9247**, and if you desaturate by 10%, it is **18.8266, 24.1137, 21.6977**.

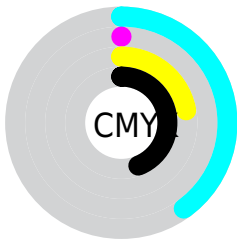
Distribution



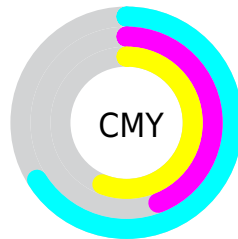
- Red (34%)
- Green (56%)
- Blue (44%)



- Red (34%)
- Yellow (49%)
- Blue (56%)



- Cyan (40%)
- Magenta (0%)
- Yellow (22%)
- Black (44%)



- Cyan (66%)
- Magenta (44%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8844, 23.1650, 19.2042 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 16.8844, 23.1650, 19.2042 by changing the saturation by 10% instead.

■ 16.8844, 23.1650,
19.2042

■ 16.8844, 23.1650,
19.2042

227.6746,
268.5713, 260.0339

■ 10.2469, 14.7154,
11.6396

■ 37.6721, 48.6641,
42.9202

■ 5.6265, 8.6199,
6.3792

■ 52.5530, 66.4824,
59.9086

■ 2.6578, 4.4941,
3.0045

■ 70.9124, 88.1924,
80.8754

■ 0.9755, 1.9536,
1.0969

■ 93.1157, 114.1784,
106.2391

■ 0.0000, 0.5803,
0.0000

■ 119.5282,
144.8250, 136.4183

■ 0.0000, 0.0000,
0.0000

150.5153,

180.5164, 171.8315

186.4423,
221.6370, 212.8972

■ 16.8844, 23.1650,
19.2042

■ 16.8844, 23.1650,
19.2042

■ 15.2497, 22.3717,
16.9247

■ 18.8266, 24.1137,
21.6977

■ 13.9038, 21.7223,
14.8520

■ 21.0901, 25.2229,
24.4093

■ 12.8283, 21.2082,
12.9804


■ 23.6901, 26.5010,
27.3448


■ 12.0024, 20.8187,
11.3035


■ 26.6401, 27.9548,
30.5094


■ 11.4014, 20.5412,
9.8146


■ 29.9531, 29.5909,
33.9079


 10.9648, 20.3447,
8.5048

 33.6411, 31.4155,
37.5452

 10.9477, 20.3370,
8.4539

 37.7159, 33.4344,
41.4260

 42.1886, 35.6534,
45.5547

 47.0696, 38.0778,
49.9359

Harmonies

Analogous

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



18.5241, 23.1650, 13.8521



16.8844, 23.1650, 19.2042



16.5530, 23.1650, 27.6118

Triad

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



16.8844, 23.1650, 19.2042



22.8368, 23.1650, 46.5681



27.1569, 23.1650, 16.0481

Complementary

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



16.8844, 23.1650, 19.2042



18.1806, 14.0543, 18.8950

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.



28.5693, 23.1650, 22.9756



16.8844, 23.1650, 19.2042



25.9250, 23.1650, 41.5558

Square

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



16.8844, 23.1650, 19.2042



19.8014, 23.1650, 44.8730



28.0982, 23.1650, 32.3832



24.3934, 23.1650, 12.3554

Rectangle

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



16.8844, 23.1650, 19.2042



17.0862, 23.1650, 34.1554



28.0982, 23.1650, 32.3832



27.8169, 23.1650, 18.0015

Sweetspot

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



16.8850, 23.1660, 19.2047



40.5017, 46.1096, 46.8103



19.2132, 24.5118, 12.7358



9.1664, 10.5142, 10.5987



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.



16.8850, 23.1660, 19.2047



27.3275, 39.6660, 30.4762



18.7234, 23.9013, 28.8855



5.4388, 6.0677, 6.2764



9.5447, 17.7138, 7.4226



0.1022, 0.1737, 0.1283

Inverse Universe

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



18.1806, 14.0543, 18.8950



29.9231, 21.4001, 29.8470



16.7496, 13.4819, 11.3593



5.5238, 5.4701, 6.2565



11.2352, 5.6511, 6.8900



0.1186, 0.0585, 0.1245

Previews

White Background



This preview shows how the XYZ color 16.8844, 23.1650, 19.2042 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 16.8844, 23.1650, 19.2042 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 16.8844, 23.1650, 19.2042

Background



This preview shows how black text looks on a background with the XYZ color 16.8844, 23.1650, 19.2042.



This preview shows how white text looks on a background with the XYZ color 16.8844, 23.1650,

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

16.8844, 23.1650, 19.2042

Protanopia

21.5854, 22.8696, 17.1865

Deuteranopia

23.3779, 22.9471, 20.0267



Tritanopia

19.5615, 23.1540, 32.2923

Trichromacy



Original Color

16.8844, 23.1650, 19.2042

Protanomaly

19.4496, 22.7774, 17.8394

Deuteranomaly

20.2923, 22.5480, 19.8057

Tritanomaly

18.5544, 23.1831, 27.1638

Monochromacy



Original Color

16.8844, 23.1650, 19.2042

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.8765, 20.8795, 20.5407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8844, 23.1650, 19.2042 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(87, 144, 113)` looks like.

```
.text, #text, p{  
    color:rgb(87, 144, 113)  
}
```

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(87, 144, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 144, 113) }
```

Border

The CSS property to change the border of an element to XYZ 16.8844, 23.1650, 19.2042 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(87, 144, 113) }
```


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

```
.border{ border-color:rgb(87, 144, 113) }
```

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

Here you see how a box with a 4 pixel rgb(87, 144, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 144, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 144, 113);  
box-shadow:4px 4px 4px 4px rgb(87, 144,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8844, 23.1650, 19.2042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 144, 113) }
```

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

```
.background{ background-color: rgb(87, 144,  
113) }
```

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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