

Converting Colors

XYZ(16.0908, 22.8919, 13.0217)

Have a look what the booklet for
XYZ(16.0908, 22.8919, 13.0217)
contains.

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Color

**XYZ(16.0908, 22.8919,
13.0217)**

Conversions

Conversions Part 1

Format	Color
Hex	5B9059
RGB	91, 144, 89
RGB Percent	36%, 56%, 35%
CMY	0.6431, 0.4353, 0.6510
CMYK	0.37, 0.00, 0.38, 0.44
HSL	118°, 24%, 46%
HSV	118°, 38%, 56%
XYZ	16.0908, 22.8919, 13.0217
YIQ	121.8830, -13.9330, -28.3410

Conversions

Conversions Part 2

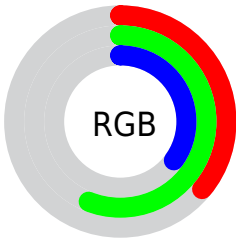
Format	Color
R_{YB}	89, 144, 142
Decimal	6000729
CIE _{Lab}	54.96, -29.27, 23.81
CIE _{LCh}	55, 37.729, 140.871
Yxy	22.8919, 0.3094, 0.4402
Android (android.graphics.Color)	4284190809 (0xFF5B9059)
YUV	121.8830, -16.2113, -27.0844
Hunter-Lab	47.8455, -23.6987, 17.3554

Details

The XYZ color **16.0908, 22.8919, 13.0217** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.7628, 14.9099, 28.2230**, and the grayscale version is **18.5154, 19.4797, 21.2134**.

A 20% lighter version of the original color is **36.2554, 48.1213, 32.1884**, and **5.2467, 8.4673, 3.5483** is the 20% darker color. If you saturate the color by 10%, you get **14.3006, 22.0329, 10.0843**, and if you desaturate by 10%, it is **18.2534, 23.9306, 16.5950**.

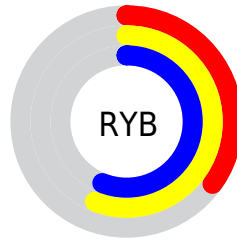
Distribution



Red (36%)

Green (56%)

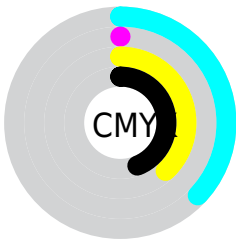
Blue (35%)



Red (35%)

Yellow (56%)

Blue (56%)

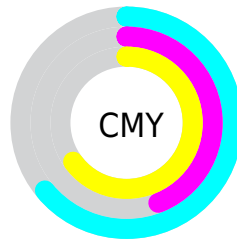


Cyan (37%)

Magenta (0%)

Yellow (38%)

Black (44%)



Cyan (64%)

Magenta (44%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0908, 22.8919, 13.0217 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 16.0908, 22.8919, 13.0217 by changing the saturation by 10% instead.

■ 16.0908, 22.8919,
13.0217

■ 16.0908, 22.8919,
13.0217

223.1368,
267.1693, 222.2694

■ 9.6797, 14.5137,
7.3126

■ 36.3119, 48.2158,
32.0345

■ 5.2477, 8.4788,
3.5770

■ 50.8527, 65.9302,
46.1753

■ 2.4296, 4.4028,
1.3963

■ 68.8340, 87.5256,
63.9637

■ 0.8599, 1.9014,
0.1388

■ 90.6212, 113.3862,
85.8184

■ 0.0000, 0.5492,
0.0000

■ 116.5798,
143.8965, 112.1577

■ 0.0000, 0.0000,
0.0000

147.0750,

179.4408, 143.4003

182.4722,
220.4036, 179.9647

■ 16.0908, 22.8919,
13.0217

■ 16.0908, 22.8919,
13.0217

■ 14.3006, 22.0329,
10.0843

■ 18.2534, 23.9306,
16.5950

■ 12.8603, 21.3407,
7.7442

■ 20.8061, 25.1553,
20.8368

■ 11.7475, 20.8053,
5.9609


■ 23.7672, 26.5755,
25.7794


■ 10.9363, 20.4145,
4.6881


■ 27.1537, 28.1992,
31.4525


■ 10.3974, 20.1541,
3.8725


■ 30.9813, 30.0341,
37.8839


 10.0848, 20.0030,
3.4041

 35.2653, 32.0872,
45.1002

 10.0392, 19.9812,
3.3276

 40.0198, 34.3655,
53.1267

 45.2587, 36.8756,
61.9874

 50.9951, 39.6237,
71.7054

Harmonies

Analogous

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



19.0138, 22.8919, 8.9913



16.0908, 22.8919, 13.0217



14.7373, 22.8919, 21.4430

Triad

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



16.0908, 22.8919, 13.0217



20.5055, 22.8919, 55.3279



30.1818, 22.8919, 17.5797

Complementary

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



16.0908, 22.8919, 13.0217



19.7628, 14.9099, 28.2230

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.



30.7151, 22.8919, 28.7658



16.0908, 22.8919, 13.0217



24.7545, 22.8919, 53.2761

Square

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



16.0908, 22.8919, 13.0217



17.0622, 22.8919, 47.4332



28.6206, 22.8919, 42.4928



27.2449, 22.8919, 10.9756

Rectangle

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



16.0908, 22.8919, 13.0217



14.7701, 22.8919, 29.5322



28.6206, 22.8919, 42.4928



30.6617, 22.8919, 20.8245

Sweetspot

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



16.0914, 22.8929, 13.0222



40.2571, 46.0745, 42.6910



22.8675, 25.7752, 13.2214



9.0861, 10.4960, 9.5466



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.



16.0914, 22.8929, 13.0222



25.5825, 39.0324, 18.3749



17.1168, 23.2806, 19.4372



5.3599, 6.0381, 5.7724



8.7464, 17.4015, 2.8978



0.0865, 0.1679, 0.0278

Inverse Universe

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



19.7628, 14.9099, 28.2230



33.0236, 22.8381, 49.2057



18.4196, 14.4126, 19.3434



5.6072, 5.5012, 6.7951



13.6262, 6.5182, 23.5170



0.1342, 0.0643, 0.2250

Previews

White Background



This preview shows how the XYZ color 16.0908, 22.8919, 13.0217 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 16.0908, 22.8919, 13.0217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

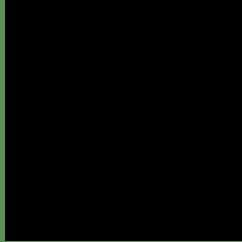
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.0908, 22.8919, 13.0217

Background



This preview shows how black text looks on a background with the XYZ color 16.0908, 22.8919, 13.0217.



This preview shows how white text looks on a background with the XYZ color 16.0908, 22.8919,

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

16.0908, 22.8919, 13.0217

Protanopia

21.0442, 22.7123, 11.6623

Deuteranopia

23.0197, 22.5255, 13.4905



Tritanopia

19.7704, 22.8542, 31.3863

Trichromacy



Original Color

16.0908, 22.8919, 13.0217

Protanomaly

18.7961, 22.5653, 12.1690

Deuteranomaly

19.6988, 22.1808, 13.3683

Tritanomaly

18.2459, 22.8851, 23.5343

Monochromacy



Original Color

16.0908, 22.8919, 13.0217

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.3526, 20.4706, 17.7885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0908, 22.8919, 13.0217 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(91, 144, 89)` looks like.

```
.text, #text, p{  
    color:rgb(91, 144, 89)  
}
```

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(91, 144, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 144, 89) }
```

Border

The CSS property to change the border of an element to XYZ 16.0908, 22.8919, 13.0217 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(91, 144, 89) }
```


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

```
.border{ border-color:rgb(91, 144, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 144, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 144, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 144, 89);  
box-shadow:4px 4px 4px 4px rgb(91, 144,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0908, 22.8919, 13.0217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 144, 89) }
```

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

```
.background{ background-color: rgb(91, 144,  
89) }
```

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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