

Converting Colors

XYZ(16.2350, 23.5809, 4.5201)

Have a look what the booklet for
XYZ(16.2350, 23.5809, 4.5201)
contains.

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Color

**XYZ(16.2592, 23.6229,
4.5133)**

Conversions

Conversions Part 1

Format	Color
Hex	699217
RGB	105, 146, 23
RGB Percent	41%, 57%, 9%
CMY	0.5882, 0.4274, 0.9098
CMYK	0.28, 0.00, 0.84, 0.43
HSL	80°, 73%, 33%
HSV	80°, 84%, 57%
XYZ	16.2592, 23.6229, 4.5133
YIQ	119.7190, 15.0470, -46.9450

Conversions

Conversions Part 2

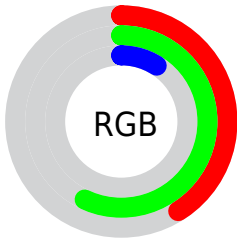
Format	Color
RYB	23, 146, 64
Decimal	6918679
CIELab	55.71, -31.53, 54.42
CIELCh	56, 62.892, 120.086
Yxy	23.6229, 0.3662, 0.5321
Android (android.graphics.Color)	4285108759 (0xFF699217)
YUV	119.7190, -47.6825, -12.9086
Hunter-Lab	48.6034, -25.3427, 28.5167

Details

The XYZ color **16.2592, 23.6229, 4.5133** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.6101, 3.7788, 27.5238**, and the grayscale version is **17.9075, 18.8401, 20.5169**.

A 20% lighter version of the original color is **36.5994, 49.3613, 15.1881**, and **5.5084, 8.9145, 1.4303** is the 20% darker color. If you saturate the color by 10%, you get **15.5956, 23.2941, 3.9156**, and if you desaturate by 10%, it is **17.0368, 24.0027, 5.5356**.

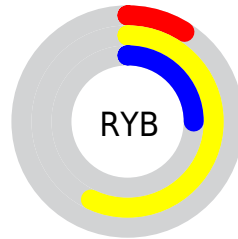
Distribution



Red (41%)

Green (57%)

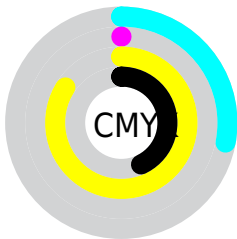
Blue (9%)



Red (9%)

Yellow (57%)

Blue (25%)

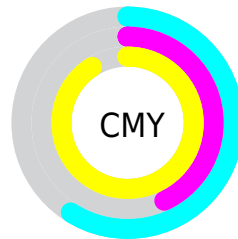


Cyan (28%)

Magenta (0%)

Yellow (84%)

Black (43%)



Cyan (59%)


Magenta (43%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2592, 23.6229, 4.5133 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 16.2592, 23.6229, 4.5133 by changing the saturation by 10% instead.


 16.2592, 23.6229,
4.5133


 16.2592, 23.6229,
4.5133

224.1068,
270.9084, 153.7704

 9.7998, 15.0541,
1.9110


 36.6014, 49.4141,
15.1773


 5.3276, 8.8574,
0.4997


 51.2149, 67.4054,
24.0760


 2.4775, 4.6483,
0.0000

 69.2772, 89.3062,
35.9106

 0.8839, 2.0424,
0.0000

 91.1535, 115.5011,
51.0996

 0.0000, 0.6319,
0.0000

 117.2093,
146.3743, 70.0615

 0.0000, 0.0000,
0.0000

 147.8098,

182.3104, 93.2149

183.3206,
223.6936, 120.9784

16.2592, 23.6229,
4.5133

16.2592, 23.6229,
4.5133

15.5956, 23.2941,
3.9156

17.0368, 24.0027,
5.5356

15.2444, 23.1184,
3.6588

17.9392, 24.4355,
7.0443

18.9773, 24.9264,
9.0909

20.1600, 25.4792,
11.7203

21.4955, 26.0970,
14.9724

■ 22.9911, 26.7830,
18.8838

■ 24.6537, 27.5399,
23.4881

■ 26.4897, 28.3704,
28.8168

■ 28.5053, 29.2769,
34.8993

Harmonies

Analogous

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



22.4324, 23.6229, 3.0505



16.2592, 23.6229, 4.5133



12.5451, 23.6229, 10.6920

Triad

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



16.2592, 23.6229, 4.5133



16.2878, 23.6229, 76.9502



39.1366, 23.6229, 25.6627

Complementary

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



16.2592, 23.6229, 4.5133



7.6101, 3.7788, 27.5238

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.



36.5510, 23.6229, 50.6826



16.2592, 23.6229, 4.5133



22.4734, 23.6229, 88.3265

Square

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



16.2592, 23.6229, 4.5133



12.5590, 23.6229, 50.8425



30.0481, 23.6229, 76.8284



36.5227, 23.6229, 10.6355

Rectangle

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



16.2592, 23.6229, 4.5133



11.4771, 23.6229, 19.5377



30.0481, 23.6229, 76.8284



38.8409, 23.6229, 33.0888

Sweetspot

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



16.2597, 23.6239, 4.5138



40.2076, 47.0862, 32.3740



13.8431, 9.8405, 1.9807



8.7571, 10.3889, 6.7049



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.



16.2597, 23.6239, 4.5138



26.7067, 40.6861, 6.4456



11.4517, 21.1453, 4.2888



6.0795, 6.6488, 6.2034



13.4386, 20.3557, 3.2208



0.1958, 0.2653, 0.0409

Inverse Universe

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



7.6101, 3.7788, 27.5238



11.1968, 4.7148, 48.2935



14.0263, 7.0864, 27.8241



5.6708, 5.7213, 7.2752



5.6882, 2.4050, 24.0954



0.0984, 0.0443, 0.2963

Previews

White Background



This preview shows how the XYZ color 16.2592, 23.6229, 4.5133 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 16.2592, 23.6229, 4.5133 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 16.2592, 23.6229, 4.5133

Background



This preview shows how black text looks on a background with the XYZ color 16.2592, 23.6229, 4.5133.



This preview shows how white text looks on a background with the XYZ color 16.2592, 23.6229,

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

16.2592, 23.6229, 4.5133

Protanopia

21.0827, 23.3061, 4.0034

Deuteranopia

23.7006, 23.2585, 4.8303



Tritanopia

21.5418, 23.5665, 31.0172

Trichromacy



Original Color

16.2592, 23.6229, 4.5133

Protanomaly

19.0463, 23.2958, 4.1545

Deuteranomaly

20.1365, 22.8033, 4.6365

Tritanomaly

18.5864, 23.2262, 16.0739

Monochromacy



Original Color

16.2592, 23.6229, 4.5133

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.5602, 20.0012, 11.5821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2592, 23.6229, 4.5133 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(105, 146, 23)` looks like.

```
.text, #text, p{  
    color:rgb(105, 146, 23)  
}
```

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(105, 146, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 146, 23) }
```

Border

The CSS property to change the border of an element to XYZ 16.2592, 23.6229, 4.5133 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(105, 146, 23) }
```


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

```
.border{ border-color:rgb(105, 146, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 146, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 146, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 146, 23);  
box-shadow:4px 4px 4px 4px rgb(105, 146,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2592, 23.6229, 4.5133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 146, 23) }
```

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

```
.background{ background-color: rgb(105,  
146, 23) }
```

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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