

Converting Colors

XYZ(15.8680, 23.6356, 5.2392)

Have a look what the booklet for
XYZ(15.8680, 23.6356, 5.2392)
contains.

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Color

**XYZ(15.8680, 23.6356,
5.2392)**

Conversions

Conversions Part 1

Format	Color
Hex	639322
RGB	99, 147, 34
RGB Percent	39%, 58%, 13%
CMY	0.6118, 0.4235, 0.8666
CMYK	0.33, 0.00, 0.77, 0.42
HSL	85°, 62%, 35%
HSV	85°, 77%, 58%
XYZ	15.8680, 23.6356, 5.2392
YIQ	119.7660, 7.6650, -45.3190

Conversions

Conversions Part 2

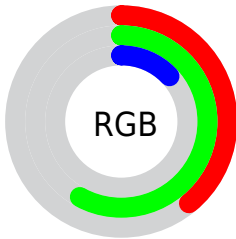
Format	Color
R_{YB}	34, 147, 82
Decimal	6525730
CIE _{Lab}	55.72, -33.83, 50.91
CIE _{LCh}	56, 61.126, 123.600
Yxy	23.6356, 0.3546, 0.5283
Android (android.graphics.Color)	4284715810 (0xFF639322)
YUV	119.7660, -42.2826, -18.2118
Hunter-Lab	48.6165, -26.8179, 27.6421

Details

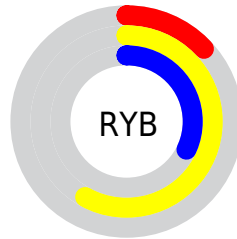
The XYZ color **15.8680, 23.6356, 5.2392** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.3194, 5.0453, 28.0878**, and the grayscale version is **17.9075, 18.8401, 20.5168**.

A 20% lighter version of the original color is **35.7850, 49.2502, 16.8527**, and **5.2651, 8.9236, 1.4449** is the 20% darker color. If you saturate the color by 10%, you get **15.0438, 23.2309, 4.3209**, and if you desaturate by 10%, it is **16.8368, 24.1059, 6.6387**.

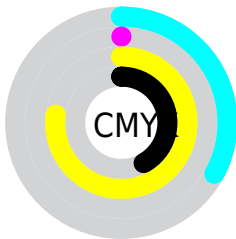
Distribution



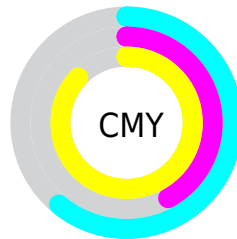
- Red (39%)
- Green (58%)
- Blue (13%)



- Red (13%)
- Yellow (58%)
- Blue (32%)



- Cyan (33%)
- Magenta (0%)
- Yellow (77%)
- Black (42%)



- Cyan (61%)
- Magenta (42%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8680, 23.6356, 5.2392 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 15.8680, 23.6356, 5.2392 by changing the saturation by 10% instead.

■ 15.8680, 23.6356,
5.2392

■ 15.8680, 23.6356,
5.2392

221.8473,
270.9730, 161.1380

■ 9.5210, 15.0635,
2.3271

■ 35.9282, 49.4349,
16.7796

■ 5.1424, 8.8640,
0.7463

■ 50.3721, 67.4309,
26.2450

■ 2.3667, 4.6526,
0.0000

■ 68.2458, 89.3370,
38.7319

■ 0.8284, 2.0449,
0.0000

■ 89.9146, 115.5376,
54.6589

■ 0.0000, 0.6334,
0.0000

■ 115.7437,
146.4172, 74.4444

■ 0.0000, 0.0000,
0.0000

■ 146.0986,

182.3599, 98.5071

181.3447,
223.7504, 127.2654

■ 15.8680, 23.6356,
5.2392

■ 15.8680, 23.6356,
5.2392

■ 15.0438, 23.2309,
4.3209

■ 16.8368, 24.1059,
6.6387

■ 14.3443, 22.8813,
3.7927

■ 17.9601, 24.6433,
8.5723

■ 14.1401, 22.7790,
3.6515

■ 19.2484, 25.2531,
11.0875

■ 20.7107, 25.9389,
14.2261

■ 22.3552, 26.7043,
18.0263

■ 24.1897, 27.5524,
22.5229

■ 26.2213, 28.4862,
27.7484

■ 28.4567, 29.5084,
33.7334

■ 30.9023, 30.6218,
40.5066

Harmonies

Analogous

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



21.6385, 23.6356, 3.3471



15.8680, 23.6356, 5.2392



12.5180, 23.6356, 12.2226

Triad

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



15.8680, 23.6356, 5.2392



17.0455, 23.6356, 77.2886



38.5615, 23.6356, 23.4123

Complementary

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



15.8680, 23.6356, 5.2392



9.3194, 5.0453, 28.0878

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.



36.6398, 23.6356, 46.7069



15.8680, 23.6356, 5.2392



23.3122, 23.6356, 85.7047

Square

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



15.8680, 23.6356, 5.2392



13.0932, 23.6356, 53.1591



30.6757, 23.6356, 72.4066



35.4925, 23.6356, 9.8659

Rectangle

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



15.8680, 23.6356, 5.2392



11.6539, 23.6356, 21.7113



30.6757, 23.6356, 72.4066



38.4802, 23.6356, 30.2278

Sweetspot

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



15.8686, 23.6366, 5.2397



41.1096, 48.3201, 34.8719



15.2710, 12.2168, 3.0669



9.1440, 10.9190, 7.3817



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.8686, 23.6366, 5.2397



26.0432, 41.1536, 7.0341



11.7371, 21.5068, 5.0464



6.0298, 6.6232, 6.2011



12.2868, 19.7619, 3.1669



0.1841, 0.2593, 0.0403

Inverse Universe

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



9.3194, 5.0453, 28.0878



13.8277, 6.2988, 49.9216



16.2519, 8.6191, 28.4123



5.7191, 5.7462, 7.2774



6.3398, 2.7408, 24.1259



0.1101, 0.0503, 0.2968

Previews

White Background



This preview shows how the XYZ color 15.8680, 23.6356, 5.2392 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 15.8680, 23.6356, 5.2392 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 15.8680, 23.6356, 5.2392

Background



This preview shows how black text looks on a background with the XYZ color 15.8680, 23.6356, 5.2392.



This preview shows how white text looks on a background with the XYZ color 15.8680, 23.6356,

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

15.8680, 23.6356, 5.2392

Protanopia

21.1995, 23.3528, 4.6185

Deuteranopia

23.6228, 23.2031, 5.5191



Tritanopia

21.1010, 23.5401, 31.4485

Trichromacy



Original Color

15.8680, 23.6356, 5.2392

Protanomaly

18.6959, 23.1012, 4.7699

Deuteranomaly

20.0634, 22.9542, 5.3806

Tritanomaly

18.3631, 23.2994, 17.4393

Monochromacy



Original Color

15.8680, 23.6356, 5.2392

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.4679, 20.1313, 12.4690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8680, 23.6356, 5.2392 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(99, 147, 34)` looks like.

```
.text, #text, p{  
    color:rgb(99, 147, 34)  
}
```

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(99, 147, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 147, 34) }
```

Border

The CSS property to change the border of an element to XYZ 15.8680, 23.6356, 5.2392 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(99, 147, 34) }
```


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

```
.border{ border-color:rgb(99, 147, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 147, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 147, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 147, 34);  
box-shadow:4px 4px 4px 4px rgb(99, 147,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8680, 23.6356, 5.2392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 147, 34) }
```

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

```
.background{ background-color: rgb(99, 147,  
34) }
```

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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