

Converting Colors

XYZ(15.8073, 25.0124, 6.1212)

Have a look what the booklet for
XYZ(15.8073, 25.0124, 6.1212)
contains.

XYZ(15.8160, 25.0173, 6.0930)	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(15.8160, 25.0173,
6.0930)**

Conversions

Conversions Part 1

Format	Color
Hex	589929
RGB	88, 153, 41
RGB Percent	35%, 60%, 16%
CMY	0.6549, 0.4000, 0.8392
CMYK	0.42, 0.00, 0.73, 0.40
HSL	95°, 58%, 38%
HSV	95°, 73%, 60%
XYZ	15.8160, 25.0173, 6.0930
YIQ	120.7970, -2.7880, -48.6120

Conversions

Conversions Part 2

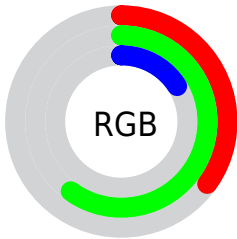
Format	Color
RYB	41, 153, 106
Decimal	5806377
CIELab	57.09, -40.04, 49.52
CIELCh	57, 63.683, 128.955
Yxy	25.0173, 0.3370, 0.5331
Android (android.graphics.Color)	4283996457 (0xFF589929)
YUV	120.7970, -39.3399, -28.7630
Hunter-Lab	50.0173, -31.0867, 27.7895

Details

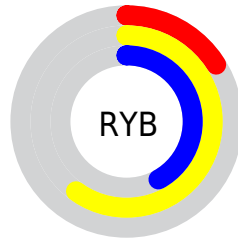
The XYZ color **15.8160, 25.0173, 6.0930** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **12.4877, 6.9507, 30.8219**, and the grayscale version is **18.2327, 19.1822, 20.8894**.

A 20% lighter version of the original color is **35.9039, 51.7595, 18.6879**, and **5.2188, 9.5987, 1.5777** is the 20% darker color. If you saturate the color by 10%, you get **14.8094, 24.5242, 4.9131**, and if you desaturate by 10%, it is **17.0300, 25.6069, 7.8255**.

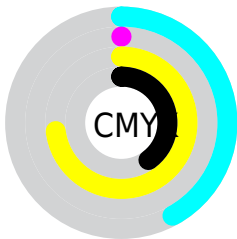
Distribution



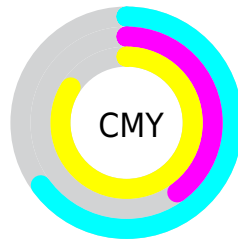
- Red (35%)
- Green (60%)
- Blue (16%)



- Red (16%)
- Yellow (60%)
- Blue (42%)



- Cyan (42%)
- Magenta (0%)
- Yellow (73%)
- Black (40%)



- Cyan (65%)
- Magenta (40%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8160, 25.0173, 6.0930 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 15.8160, 25.0173, 6.0930 by changing the saturation by 10% instead.

■ 15.8160, 25.0173,
6.0930

■ 15.8160, 25.0173,
6.0930

221.5453,
277.9241, 169.2331

■ 9.4841, 16.0899,
2.8320

■ 35.8385, 51.6853,
18.6046

■ 5.1179, 9.5878,
1.0095

■ 50.2598, 70.1947,
28.6923

■ 2.3521, 5.1265,
0.0000

■ 68.1082, 92.6669,
41.8927

■ 0.8211, 2.3217,
0.0000

■ 89.7492, 119.4864,
58.6242

■ 0.0000, 0.7852,
0.0000

■ 115.5480,
151.0374, 79.3055

■ 0.0000, 0.0000,
0.0000

■ 145.8701,

187.7045, 104.3550

181.0807,
229.8719, 134.1914

■ 15.8160, 25.0173,
6.0930

■ 15.8160, 25.0173,
6.0930

■ 14.8094, 24.5242,
4.9131

■ 17.0300, 25.6069,
7.8255

■ 13.9919, 24.1174,
4.2164

■ 18.4640, 26.2958,
10.1658

■ 13.5193, 23.8803,
3.8968

■ 20.1312, 27.0906,
13.1644

■ 22.0433, 27.9964,
16.8657

■ 24.2109, 29.0177,
21.3107

■ 26.6443, 30.1590,
26.5369

■ 29.3527, 31.4243,
32.5793

■ 32.3453, 32.8176,
39.4711

■ 35.6304, 34.3425,
47.2432

Harmonies

Analogous

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



21.6036, 25.0173, 3.4218



15.8160, 25.0173, 6.0930



12.6999, 25.0173, 14.9386

Triad

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



15.8160, 25.0173, 6.0930



18.9670, 25.0173, 86.8152



41.0549, 25.0173, 21.3040

Complementary

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



15.8160, 25.0173, 6.0930



12.4877, 6.9507, 30.8219

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.



39.9340, 25.0173, 44.9227



15.8160, 25.0173, 6.0930



26.0940, 25.0173, 91.7823

Square

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



15.8160, 25.0173, 6.0930



14.2354, 25.0173, 62.3246



34.0445, 25.0173, 73.6251



36.8460, 25.0173, 8.6518

Rectangle

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



15.8160, 25.0173, 6.0930



12.0788, 25.0173, 26.4933



34.0445, 25.0173, 73.6251



41.3049, 25.0173, 27.9997

Sweetspot

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



15.8166, 25.0184, 6.0935



43.6739, 52.1139, 38.8300



18.5356, 16.9283, 4.3887



9.4229, 11.4035, 8.1114



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.8166, 25.0184, 6.0935



25.5272, 43.4249, 7.8934



12.8496, 23.4723, 6.7008



6.3655, 7.0459, 6.6303



11.2095, 19.7546, 3.2222



0.2077, 0.3160, 0.0501

Inverse Universe

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



12.4877, 6.9507, 30.8219



19.1450, 9.1610, 54.7312



19.0829, 10.4197, 28.0110



6.2105, 6.1944, 7.7973



8.1797, 3.6679, 25.1845



0.1637, 0.0762, 0.3784

Previews

White Background



This preview shows how the XYZ color 15.8160, 25.0173, 6.0930 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 15.8160, 25.0173, 6.0930 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 15.8160, 25.0173, 6.0930

Background



This preview shows how black text looks on a background with the XYZ color 15.8160, 25.0173, 6.0930.



This preview shows how white text looks on a background with the XYZ color 15.8160, 25.0173,

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

15.8160, 25.0173, 6.0930

Protanopia

22.4165, 24.7972, 5.3551

Deuteranopia

25.1359, 24.7416, 6.4684



Tritanopia

21.4809, 24.9813, 34.2616

Trichromacy



Original Color

15.8160, 25.0173, 6.0930

Protanomaly

19.2256, 24.4520, 5.5401

Deuteranomaly

20.4168, 23.9576, 6.2375

Tritanomaly

18.5599, 24.7123, 19.4145

Monochromacy



Original Color

15.8160, 25.0173, 6.0930

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.6260, 20.7990, 13.2635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8160, 25.0173, 6.0930 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(88, 153, 41)` looks like.

```
.text, #text, p{  
    color:rgb(88, 153, 41)  
}
```

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(88, 153, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 153, 41) }
```

Border

The CSS property to change the border of an element to XYZ 15.8160, 25.0173, 6.0930 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(88, 153, 41) }
```


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

```
.border{ border-color:rgb(88, 153, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 153, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 153, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 153, 41);  
box-shadow:4px 4px 4px 4px rgb(88, 153,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8160, 25.0173, 6.0930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 153, 41) }
```

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

```
.background{ background-color: rgb(88, 153,  
41) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor