

Converting Colors

XYZ(8.4440, 24.4683, 11.8265)

Have a look what the booklet for
XYZ(8.4440, 24.4683, 11.8265)
contains.

XYZ(15.0842, 27.8516, 12.1703)	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(15.0842, 27.8516,
12.1703)**

Conversions

Conversions Part 1

Format	Color
Hex	00A650
RGB	0, 166, 80
RGB Percent	0%, 65%, 31%
CMY	1.0000, 0.3490, 0.6863
CMYK	1.00, 0.00, 0.52, 0.35
HSL	149°, 100%, 33%
HSV	149°, 100%, 65%
XYZ	15.0842, 27.8516, 12.1703
YIQ	106.5620, -71.3300, -61.9380

Conversions

Conversions Part 2

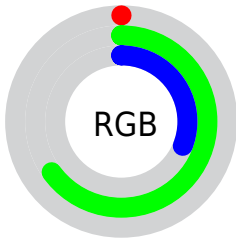
Format	Color
RYB	0, 112, 166
Decimal	42576
CIELab	59.75, -55.82, 34.27
CIELCh	60, 65.502, 148.453
Yxy	27.8516, 0.2737, 0.5054
Android (android.graphics.Color)	4278232656 (0xFF00A650)
YUV	106.5620, -13.0951, -93.4549
Hunter-Lab	52.7746, -41.3362, 23.2694

Details

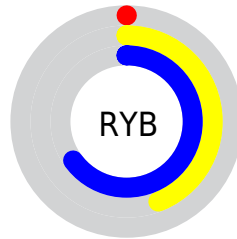
The XYZ color **15.0842, 27.8516, 12.1703** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **17.4066, 8.7795, 9.5832**, and the grayscale version is **13.9043, 14.6284, 15.9303**.

A 20% lighter version of the original color is **34.5324, 56.1054, 30.4821**, and **6.0415, 11.6873, 3.2338** is the 20% darker color. If you saturate the color by 10%, you get **15.0846, 27.8526, 12.1700**, and if you desaturate by 10%, it is **15.6475, 28.1037, 13.9638**.

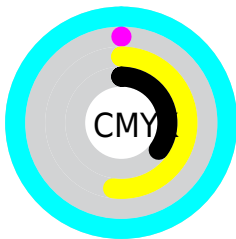
Distribution



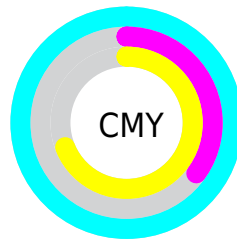
- Red (0%)
- Green (65%)
- Blue (31%)



- Red (0%)
- Yellow (44%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0842, 27.8516, 12.1703 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 15.0842, 27.8516, 12.1703 by changing the saturation by 10% instead.

■ 15.0842, 27.8516,
12.1703

■ 15.0842, 27.8516,
12.1703

217.2536,
291.7571, 216.5473

■ 8.9652, 18.2138,
6.7358

■ 34.5713, 56.2474,
30.4739

■ 4.7754, 11.1036,
3.2215

■ 48.6700, 75.7743,
44.1801

■ 2.1495, 6.1366,
1.2088

■ 66.1595, 99.3663,
61.4807

■ 0.7159, 2.9283,
0.0000

■ 87.4049, 127.4078,
82.7941

■ 0.0000, 1.0944,
0.0000

■ 112.7716,
160.2832, 108.5389

■ 0.0000, 0.0000,
0.0000

■ 142.6251,

198.3770, 139.1337

177.3306,
242.0735, 174.9970

■ 15.0842, 27.8516,
12.1703

■ 15.0842, 27.8516,
12.1703

■ 15.0846, 27.8526,
12.1700

■ 15.6475, 28.1037,
13.9638

■ 16.4378, 28.4671,
15.9874

■ 17.5341, 28.9833,
18.2524

■ 18.9715, 29.6701,
20.7675

■ 20.7804, 30.5431,
23.5407

■ 22.9872, 31.6158,
26.5794

■ 25.6161, 32.9004,
29.8909

■ 28.6891, 34.4084,
33.4822

■ 32.2269, 36.1500,
37.3598

Harmonies

Analogous

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



19.5842, 27.8516, 5.2993



15.0842, 27.8516, 12.1703



13.5269, 27.8516, 29.1107

Triad

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



15.0842, 27.8516, 12.1703



26.0444, 27.8516, 102.6198



43.0944, 27.8516, 13.3682

Complementary

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



15.0842, 27.8516, 12.1703



17.4066, 8.7795, 9.5832

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.



45.8043, 27.8516, 31.5740



15.0842, 27.8516, 12.1703



34.8109, 27.8516, 90.7266

Square

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



15.0842, 27.8516, 12.1703



18.9813, 27.8516, 88.1935



42.5020, 27.8516, 61.0077



35.7125, 27.8516, 5.6936

Rectangle

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



15.0842, 27.8516, 12.1703



14.0534, 27.8516, 47.1813



42.5020, 27.8516, 61.0077



44.6420, 27.8516, 18.0551

Sweetspot

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



15.0849, 27.8527, 12.1709



46.1995, 59.5673, 53.8957



17.7125, 29.3746, 4.7366



9.8883, 13.1097, 11.5043



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



15.0849, 27.8527, 12.1709



27.2702, 50.5056, 21.5290



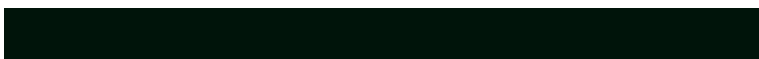
20.0232, 29.8280, 38.1756



7.5817, 8.4657, 8.7833



11.7204, 21.6069, 9.5603



0.3111, 0.5361, 0.3694

Inverse Universe

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



17.4066, 8.7795, 9.5832



31.4822, 15.8899, 16.8238



15.7569, 8.1196, 0.8959



7.6873, 7.6048, 8.6705



13.5210, 6.8171, 7.5553



0.3546, 0.1761, 0.3190

Previews

White Background



This preview shows how the XYZ color 15.0842, 27.8516, 12.1703 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 15.0842, 27.8516, 12.1703 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 15.0842, 27.8516, 12.1703

Background



This preview shows how black text looks on a background with the XYZ color 15.0842, 27.8516, 12.1703.



This preview shows how white text looks on a background with the XYZ color 15.0842, 27.8516,

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

15.0842, 27.8516, 12.1703

Protanopia

25.0927, 27.3819, 10.0936

Deuteranopia

27.9407, 27.4801, 13.0641



Tritanopia

21.1643, 27.7315, 41.7734

Trichromacy



Original Color

15.0842, 27.8516, 12.1703



Protanomaly

17.7034, 25.4079, 10.6278



Deuteranomaly

18.6600, 25.1507, 12.4654



Tritanomaly

18.0006, 27.4192, 28.0106

Monochromacy



Original Color

15.0842, 27.8516, 12.1703



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.2607, 17.5304, 14.0467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0842, 27.8516, 12.1703 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(0, 166, 80)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 80)  
}
```

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(0, 166, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 80) }
```

Border

The CSS property to change the border of an element to XYZ 15.0842, 27.8516, 12.1703 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(0, 166, 80) }
```


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

```
.border{ border-color:rgb(0, 166, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 80);  
box-shadow:4px 4px 4px 4px rgb(0, 166, 80)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.0842, 27.8516, 12.1703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 80) }
```

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

```
.background{ background-color: rgb(0, 166,  
80) }
```

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