

Converting Colors

XYZ(13.5596, 27.1443, 12.3614)

Have a look what the booklet for
XYZ(13.5596, 27.1443, 12.3614)
contains.

XYZ(15.1214, 27.8665, 12.3664)	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(15.1214, 27.8665,
12.3664)**

Conversions

Conversions Part 1

Format	Color
Hex	00A651
RGB	0, 166, 81
RGB Percent	0%, 65%, 32%
CMY	1.0000, 0.3490, 0.6823
CMYK	1.00, 0.00, 0.51, 0.35
HSL	149°, 100%, 33%
HSV	149°, 100%, 65%
XYZ	15.1214, 27.8665, 12.3664
YIQ	106.6760, -71.6510, -61.6270

Conversions

Conversions Part 2

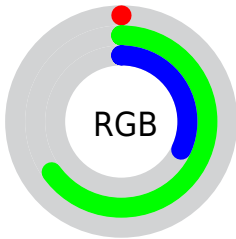
Format	Color
RYB	0, 112, 166
Decimal	42577
CIELab	59.77, -55.66, 33.78
CIELCh	60, 65.106, 148.746
Yxy	27.8665, 0.2732, 0.5034
Android (android.graphics.Color)	4278232657 (0xFF00A651)
YUV	106.6760, -12.6583, -93.5549
Hunter-Lab	52.7887, -41.2487, 23.0627

Details

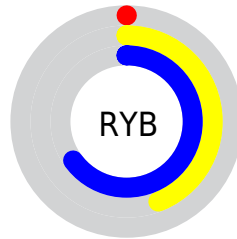
The XYZ color **15.1214, 27.8665, 12.3664** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **17.3664, 8.7634, 9.3715**, and the grayscale version is **13.9343, 14.6600, 15.9647**.

A 20% lighter version of the original color is **34.6005, 56.1326, 30.8408**, and **6.0687, 11.6981, 3.3770** is the 20% darker color. If you saturate the color by 10%, you get **15.1219, 27.8676, 12.3666**, and if you desaturate by 10%, it is **15.6853, 28.1188, 14.1630**.

Distribution



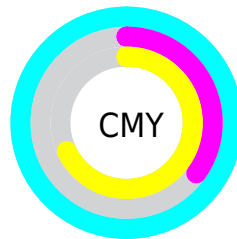
- Red (0%)
- Green (65%)
- Blue (32%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1214, 27.8665, 12.3664 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 15.1214, 27.8665, 12.3664 by changing the saturation by 10% instead.

■ 15.1214, 27.8665,
12.3664

■ 15.1214, 27.8665,
12.3664

217.4737,
291.8285, 217.8794

■ 8.9915, 18.2250,
6.8682

■ 34.6359, 56.2712,
30.8350

■ 4.7927, 11.1117,
3.3026

■ 48.7513, 75.8033,
44.6425

■ 2.1597, 6.1420,
1.2511

■ 66.2591, 99.4010,
62.0567

■ 0.7213, 2.9316,
0.0212

■ 87.5248, 127.4488,
83.4964

■ 0.0000, 1.0961,
0.0000

■ 112.9138,
160.3311, 109.3799

■ 0.0000, 0.0000,
0.0000

■ 142.7914,

198.4322, 140.1259

177.5229,
242.1365, 176.1529

■ 15.1214, 27.8665,
12.3664

■ 15.1214, 27.8665,
12.3664

■ 15.1219, 27.8676,
12.3666

■ 15.6853, 28.1188,
14.1630

■ 16.4753, 28.4821,
16.1853

■ 17.5703, 28.9978,
18.4444

■ 19.0057, 29.6838,
20.9486

■ 20.8113, 30.5555,
23.7056

■ 23.0140, 31.6265,
26.7228

■ 25.6376, 32.9090,
30.0072

■ 28.7043, 34.4144,
33.5655

■ 32.2346, 36.1530,
37.4041

Harmonies

Analogous

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



19.5752, 27.8665, 5.4157



15.1214, 27.8665, 12.3664



13.5963, 27.8665, 29.3600

Triad

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



15.1214, 27.8665, 12.3664



26.1412, 27.8665, 102.0485



42.9433, 27.8665, 13.3358

Complementary

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



15.1214, 27.8665, 12.3664



17.3664, 8.7634, 9.3715

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.



45.6888, 27.8665, 31.3454



15.1214, 27.8665, 12.3664



34.8581, 27.8665, 90.0279

Square

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



15.1214, 27.8665, 12.3664



19.0886, 27.8665, 87.9938



42.4667, 27.8665, 60.4895



35.5841, 27.8665, 5.7366

Rectangle

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



15.1214, 27.8665, 12.3664



14.1397, 27.8665, 47.3812



42.4667, 27.8665, 60.4895



44.4962, 27.8665, 17.9729

Sweetspot

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



15.1221, 27.8676, 12.3670



46.2405, 59.5836, 54.1113



17.4534, 29.2410, 4.7243



9.8983, 13.1138, 11.5572



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.



15.1221, 27.8676, 12.3670



27.3376, 50.5326, 21.8838



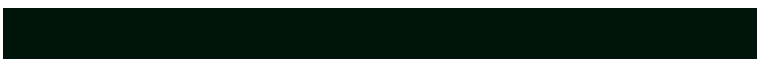
20.2688, 29.9263, 39.4695



7.5836, 8.4665, 8.7932



11.7494, 21.6185, 9.7130



0.3118, 0.5364, 0.3729

Inverse Universe

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



17.3664, 8.7634, 9.3715



31.4096, 15.8609, 16.4415



15.7417, 8.1135, 0.8160



7.6854, 7.6040, 8.6606



13.4899, 6.8047, 7.3914



0.3539, 0.1759, 0.3153

Previews

White Background



This preview shows how the XYZ color 15.1214, 27.8665, 12.3664 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 15.1214, 27.8665, 12.3664 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 15.1214, 27.8665, 12.3664

Background



This preview shows how black text looks on a background with the XYZ color 15.1214, 27.8665, 12.3664.



This preview shows how white text looks on a background with the XYZ color 15.1214, 27.8665,

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

15.1214, 27.8665, 12.3664

Protanopia

25.1256, 27.3951, 10.2668

Deuteranopia

27.9824, 27.4968, 13.2838



Tritanopia

21.1643, 27.7315, 41.7734

Trichromacy



Original Color

15.1214, 27.8665, 12.3664



Protanomaly

17.7379, 25.4217, 10.8095



Deuteranomaly

18.7000, 25.1667, 12.6762



Tritanomaly

18.0006, 27.4192, 28.0106

Monochromacy



Original Color

15.1214, 27.8665, 12.3664



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.3077, 17.5491, 14.2939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1214, 27.8665, 12.3664 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 81) }
```

Border

The CSS property to change the border of an element to XYZ 15.1214, 27.8665, 12.3664 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, 81) }
```


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

```
.border{ border-color:rgb(0, 166, 81) }
```

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, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 81);  
box-shadow:4px 4px 4px 4px rgb(0, 166, 81)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.1214, 27.8665, 12.3664 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, 81) }
```

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

```
.background{ background-color: rgb(0, 166,  
81) }
```

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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