

Converting Colors

XYZ(14.7798, 27.5134, 13.1180)

Have a look what the booklet for
XYZ(14.7798, 27.5134, 13.1180)
contains.

XYZ(15.0948, 27.5661, 13.1195)	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(15.0948, 27.5661,
13.1195)**

Conversions

Conversions Part 1

Format	Color
Hex	00A555
RGB	0, 165, 85
RGB Percent	0%, 65%, 33%
CMY	1.0000, 0.3529, 0.6667
CMYK	1.00, 0.00, 0.48, 0.35
HSL	151°, 100%, 32%
HSV	151°, 100%, 65%
XYZ	15.0948, 27.5661, 13.1195
YIQ	106.5450, -72.6600, -59.8600

Conversions

Conversions Part 2

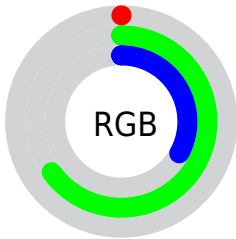
Format	Color
RYB	0, 109, 165
Decimal	42325
CIELab	59.49, -54.64, 31.38
CIELCh	59, 63.009, 150.130
Yxy	27.5661, 0.2706, 0.4942
Android (android.graphics.Color)	4278232405 (0xFF00A555)
YUV	106.5450, -10.6217, -93.4400
Hunter-Lab	52.5034, -40.5620, 21.9371

Details

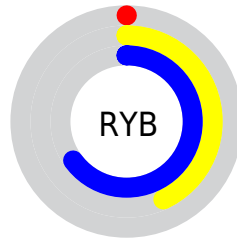
The XYZ color **15.0948, 27.5661, 13.1195** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **16.9660, 8.5791, 8.3527**, and the grayscale version is **13.8930, 14.6166, 15.9174**.

A 20% lighter version of the original color is **34.5168, 55.6641, 32.2176**, and **6.1281, 11.7219, 3.6898** is the 20% darker color. If you saturate the color by 10%, you get **15.0953, 27.5671, 13.1194**, and if you desaturate by 10%, it is **15.6540, 27.8163, 14.9005**.

Distribution



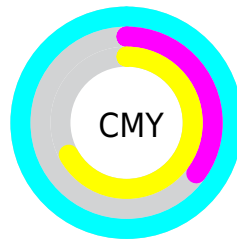
- Red (0%)
- Green (65%)
- Blue (33%)



- Red (0%)
- Yellow (43%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.0948, 27.5661, 13.1195 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 15.0948, 27.5661, 13.1195 by changing the saturation by 10% instead.


 15.0948, 27.5661,
13.1195


 15.0948, 27.5661,
13.1195


217.3163,
290.3877, 222.9168


 8.9727, 17.9988,
7.3792


 34.5897, 55.7910,
32.2126


 4.7803, 10.9492,
3.6183


 48.6932, 75.2173,
46.4025


 2.1524, 6.0327,
1.4184

 66.1879, 98.6989,
64.2461

 0.7175, 2.8649,
0.1560

 87.4391, 126.6199,
86.1617

 0.0000, 1.0616,
0.0000

 112.8122,
159.3650, 112.5681

 0.0000, 0.0000,
0.0000

 142.6725,

197.3184, 143.8837

177.3854,
240.8645, 180.5271

■ 15.0948, 27.5661,
13.1195

■ 15.0948, 27.5661,
13.1195

■ 15.0953, 27.5671,
13.1194

■ 15.6540, 27.8163,
14.9005

■ 16.4322, 28.1744,
16.8848

■ 17.5074, 28.6811,
19.0822

■ 18.9141, 29.3542,
21.4998

■ 20.6816, 30.2088,
24.1442

■ 22.8361, 31.2580,
27.0217

■ 25.4011, 32.5139,
30.1383

■ 28.3981, 33.9876,
33.4996

■ 31.8471, 35.6893,
37.1111

Harmonies

Analogous

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



19.2794, 27.5661, 5.8966



15.0948, 27.5661, 13.1195



13.7378, 27.5661, 30.1140

Triad

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



15.0948, 27.5661, 13.1195



26.2354, 27.5661, 98.1074



41.6916, 27.5661, 13.0209

Complementary

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



15.0948, 27.5661, 13.1195



16.9660, 8.5791, 8.3527

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.



44.5577, 27.5661, 29.9158



15.0948, 27.5661, 13.1195



34.6072, 27.5661, 85.6997

Square

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



15.0948, 27.5661, 13.1195



19.3283, 27.5661, 85.8994



41.7388, 27.5661, 57.3771



34.5351, 27.5661, 5.8632

Rectangle

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



15.0948, 27.5661, 13.1195



14.3512, 27.5661, 47.6539



41.7388, 27.5661, 57.3771



43.2462, 27.5661, 17.3740

Sweetspot

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



15.0955, 27.5672, 13.1201



45.2155, 58.0934, 53.6530



16.9794, 28.7278, 4.6503



9.4684, 12.4962, 11.2338



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



15.0955, 27.5672, 13.1201



26.9303, 49.3277, 22.9514



20.2475, 29.6280, 40.2502



7.1307, 7.9531, 8.3002



11.4447, 20.8642, 10.0581



0.2643, 0.4479, 0.3366

Inverse Universe

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



16.9660, 8.5791, 8.3527



30.2815, 15.3229, 14.4206



15.5177, 7.9998, 0.7264



7.2101, 7.1405, 8.0930



12.8594, 6.4998, 6.4501



0.2941, 0.1461, 0.2612

Previews

White Background



This preview shows how the XYZ color 15.0948, 27.5661, 13.1195 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 15.0948, 27.5661, 13.1195 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 15.0948, 27.5661, 13.1195

Background



This preview shows how black text looks on a background with the XYZ color 15.0948, 27.5661, 13.1195.



This preview shows how white text looks on a background with the XYZ color 15.0948, 27.5661,

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

15.0948, 27.5661, 13.1195

Protanopia

24.9172, 27.0499, 10.9291

Deuteranopia

27.5305, 27.0390, 13.8932



Tritanopia

21.0062, 27.6608, 41.2777

Trichromacy



Original Color

15.0948, 27.5661, 13.1195



Protanomaly

17.6098, 25.1012, 11.5063



Deuteranomaly

18.5436, 24.8399, 13.2684



Tritanomaly

17.8607, 27.0824, 28.3308

Monochromacy



Original Color

15.0948, 27.5661, 13.1195



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.3552, 17.5681, 14.5442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0948, 27.5661, 13.1195 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, 165, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 85)  
}
```

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, 165, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 85) }
```

Border

The CSS property to change the border of an element to XYZ 15.0948, 27.5661, 13.1195 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, 165, 85) }
```


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

```
.border{ border-color:rgb(0, 165, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 165, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.0948, 27.5661, 13.1195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 85) }
```

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

```
.background{ background-color: rgb(0, 165,  
85) }
```

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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