

# Converting Colors

XYZ(15.1975, 27.0914, 15.2505)

Have a look what the booklet for  
XYZ(15.1975, 27.0914, 15.2505)  
contains.

<b>XYZ(15.1628, 27.0206, 15.2428)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(15.1628, 27.0206,  
15.2428)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00A35F
RGB	0, 163, 95
RGB Percent	0%, 64%, 37%
CMY	0.9999, 0.3608, 0.6274
CMYK	1.00, 0.00, 0.42, 0.36
HSL	155°, 100%, 32%
HSV	155°, 100%, 64%
XYZ	15.1628, 27.0206, 15.2428
YIQ	106.5110, -75.3200, -55.7040

# Conversions

## Conversions Part 2

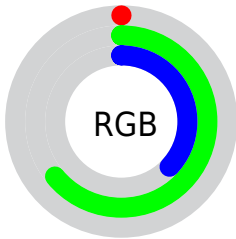
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 103, 163
Decimal	41823
CIELab	58.99, -52.07, 25.45
CIELCh	59, 57.959, 153.952
Yxy	27.0206, 0.2640, 0.4705
Android (android.graphics.Color)	4278231903 (0xFF00A35F)
YUV	106.5110, -5.6749, -93.4101
Hunter-Lab	51.9813, -38.8994, 19.0010

# Details

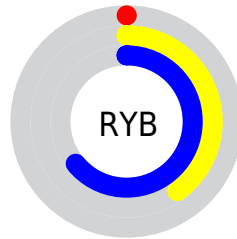
The XYZ color **15.1628, 27.0206, 15.2428** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.1488, 8.2047, 6.2038**, and the grayscale version is **13.8716, 14.5940, 15.8928**.

A 20% lighter version of the original color is **34.6396, 54.8622, 35.9579**, and **6.0890, 11.3571, 4.5605** is the 20% darker color. If you saturate the color by 10%, you get **15.1630, 27.0215, 15.2420**, and if you desaturate by 10%, it is **15.7053, 27.2637, 16.9538**.

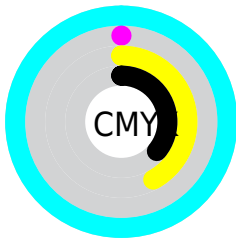
# Distribution



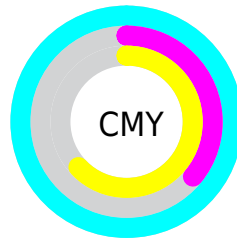
- Red (0%)
- Green (64%)
- Blue (37%)



- Red (0%)
- Yellow (40%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (36%)



- Cyan (100%)
- Magenta (36%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1628, 27.0206, 15.2428 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 15.1628, 27.0206, 15.2428 by changing the saturation by 10% instead.



■ 15.1628, 27.0206,  
15.2428

■ 15.1628, 27.0206,  
15.2428

217.7184,  
287.7568, 236.5223

■ 9.0208, 17.5887,  
8.8415

■ 34.7078, 54.9169,  
36.0269

■ 4.8120, 10.6551,  
4.5425

■ 48.8416, 74.1501,  
51.2467

■ 2.1710, 5.8354,  
1.9274

■ 66.3699, 97.4192,  
70.2431

■ 0.7274, 2.7453,  
0.5101

■ 87.6583, 125.1086,  
93.4345

■ 0.0000, 1.0002,  
0.0000

■ 113.0719,  
157.6027, 121.2397

■ 0.0000, 0.0000,  
0.0000

■ 142.9762,

195.2858, 154.0770

177.7366,  
238.5424, 192.3650

■ 15.1628, 27.0206,  
15.2428

■ 15.1628, 27.0206,  
15.2428

■ 15.1630, 27.0215,  
15.2420

■ 15.7053, 27.2637,  
16.9538

■ 16.4516, 27.6079,  
18.8180

■ 17.4780, 28.0933,  
20.8432

■ 18.8175, 28.7367,  
23.0339

■ 20.4982, 29.5527,  
25.3946

■ 22.5450, 30.5538,  
27.9296

■ 24.9804, 31.7518,  
30.6428

■ 27.8251, 33.1571,  
33.5380

■ 31.0980, 34.7796,  
36.6190

# Harmonies

## Analogous

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



18.7136, 27.0206, 7.2927



15.1628, 27.0206, 15.2428



14.2187, 27.0206, 32.2329

# Triad

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



15.1628, 27.0206, 15.2428



26.6463, 27.0206, 89.1725



38.9304, 27.0206, 12.3945

# Complementary

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



15.1628, 27.0206, 15.2428



16.1488, 8.2047, 6.2038

# 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.



42.0763, 27.0206, 26.7773



15.1628, 27.0206, 15.2428



34.1962, 27.0206, 75.9548

# Square

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



15.1628, 27.0206, 15.2428



20.0811, 27.0206, 81.2031



40.2005, 27.0206, 50.4384



32.2387, 27.0206, 6.2687



# Rectangle

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



15.1628, 27.0206, 15.2428



15.0130, 27.0206, 48.5832



40.2005, 27.0206, 50.4384



40.4890, 27.0206, 16.1045

# Sweetspot

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



15.1635, 27.0217, 15.2434



44.4706, 56.7320, 54.5935



15.6702, 27.5215, 4.4867



9.5791, 12.5404, 11.8164



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.



15.1635, 27.0217, 15.2434



27.0530, 48.3509, 26.7597



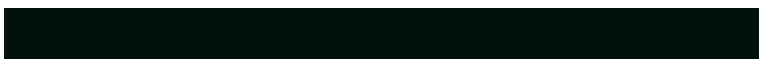
17.8617, 25.1454, 38.5637



7.1505, 7.9610, 8.4043



11.8071, 21.0092, 11.9665



0.2709, 0.4506, 0.3715



# Inverse Universe

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



16.1488, 8.2047, 6.2038



28.8246, 14.6547, 10.6079



15.2232, 8.0235, 0.7467



7.1906, 7.1327, 7.9902



12.5715, 6.3847, 4.9343



0.2875, 0.1435, 0.2264



# Previews

## White Background



This preview shows how the XYZ color 15.1628, 27.0206, 15.2428 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 15.1628, 27.0206, 15.2428 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 15.1628, 27.0206, 15.2428

## Background



This preview shows how black text looks on a background with the XYZ color 15.1628, 27.0206, 15.2428.



This preview shows how white text looks on a background with the XYZ color 15.1628, 27.0206,



# 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

15.1628, 27.0206, 15.2428

### Protanopia

24.5310, 26.5917, 12.6439

### Deuteranopia

26.9986, 26.5027, 16.2629



## Tritanopia

20.5599, 27.1934, 40.7244

# Trichromacy



## Original Color

15.1628, 27.0206, 15.2428



## Protanomaly

17.5876, 24.8128, 13.3136



## Deuteranomaly

18.3214, 24.2158, 15.5129



## Tritanomaly

17.8339, 26.7889, 29.4301

# Monochromacy



## Original Color

15.1628, 27.0206, 15.2428



## Achromatopsia

13.9749, 14.7027, 16.0113



## Achromatomaly

12.4214, 17.3870, 15.5333

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 15.1628, 27.0206, 15.2428 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, 163, 95)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 95)  
}
```

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, 163, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 95) }
```

## Border

The CSS property to change the border of an element to XYZ 15.1628, 27.0206, 15.2428 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, 163, 95) }
```



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

```
.border{ border-color:rgb(0, 163, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 95);  
box-shadow:4px 4px 4px 4px rgb(0, 163, 95)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 15.1628, 27.0206, 15.2428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 95) }
```

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

```
.background{ background-color: rgb(0, 163,  
95) }
```

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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