

# Converting Colors

XYZ(32.4651, 63.0975, 15.9381)

Have a look what the booklet for  
XYZ(32.4651, 63.0975, 15.9381)  
contains.

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# Color

**XYZ(32.6113, 63.3860,  
15.9848)**

# Conversions

## Conversions Part 1

Format	Color
Hex	09F144
RGB	9, 241, 68
RGB Percent	4%, 95%, 27%
CMY	0.9647, 0.0549, 0.7333
CMYK	0.96, 0.00, 0.72, 0.05
HSL	135°, 93%, 49%
HSV	135°, 96%, 95%
XYZ	32.6113, 63.3860, 15.9848
YIQ	151.9100, -82.7390, -102.9870

# Conversions

## Conversions Part 2

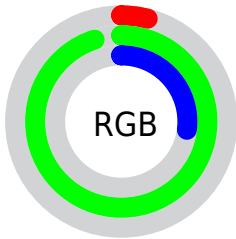
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	9, 194, 241
Decimal	651588
CIE Lab	83.65, -79.47, 66.30
CIE LCh	84, 103.490, 140.164
Yxy	63.3860, 0.2912, 0.5660
Android (android.graphics.Color)	4278841668 (0xFF09F144)
YUV	151.9100, -41.3676, -125.3321
Hunter-Lab	79.6153, -66.2113, 43.8268

# Details

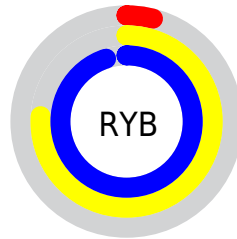
The XYZ color **32.6113, 63.3860, 15.9848** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated green. A complement of this color would be **44.8181, 22.2742, 46.1924**, and the grayscale version is **30.0060, 31.5686, 34.3783**.

A 20% lighter version of the original color is **46.5319, 76.6455, 31.7436**, and **16.9335, 33.8670, 5.6445** is the 20% darker color. If you saturate the color by 10%, you get **32.3068, 63.2532, 14.9630**, and if you desaturate by 10%, it is **33.7658, 63.9096, 19.3555**.

# Distribution



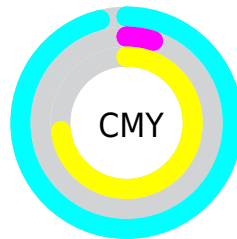
- Red (4%)
- Green (95%)
- Blue (27%)



- Red (4%)
- Yellow (76%)
- Blue (95%)



- Cyan (96%)
- Magenta (0%)
- Yellow (72%)
- Black (5%)




- Cyan (96%)
- Magenta (5%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6113, 63.3860, 15.9848 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 32.6113, 63.3860, 15.9848 by changing the saturation by 10% instead.





 32.6113, 63.3860,  
15.9848


 32.6113, 63.3860,  
15.9848


305.5906,  
436.9690, 241.0947


 21.9866, 46.1536,  
9.3592


 63.1269, 109.7262,  
37.3382

 13.9636, 32.3670,  
4.8762


 83.7486, 139.6027,  
52.9031


 8.1769, 21.6420,  
2.1173

 108.4334,  
174.4628, 72.2848

 4.2611, 13.5941,  
0.6261

 137.5466,  
214.6907, 95.9019

 1.8509, 7.8389,  
0.0000

 171.4536,  
260.6709, 124.1729

 0.5480, 3.9920,  
0.0000

210.5196,

 0.0000, 1.6691,

312.7877, 157.5163

0.0000

255.1102,  
371.4256, 196.3507

■ 0.0000, 0.4035,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 32.6113, 63.3860,  
15.9848

■ 32.6113, 63.3860,  
15.9848

■ 32.3068, 63.2532,  
14.9630

■ 33.7658, 63.9096,  
19.3555

■ 35.6515, 64.7873,  
23.7091

■ 38.3837, 66.0789,  
29.1176

■ 42.0552, 67.8310,  
35.6447

■ 46.7460, 70.0835,  
43.3488

■ 52.5275, 72.8722,  
52.2845

■ 59.4642, 76.2293,  
62.5027

■ 67.6159, 80.1844,  
74.0514

■ 77.0378, 84.7653,  
86.9762

# Harmonies

## Analogous

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



46.4470, 63.3860, 5.6628



32.6113, 63.3860, 15.9848



26.7180, 63.3860, 49.8273

# Triad

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



32.6113, 63.3860, 15.9848



53.1089, 63.3860, 279.2751



111.0708, 63.3860, 34.3331

# Complementary

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



32.6113, 63.3860, 15.9848



44.8181, 22.2742, 46.1924

# 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.



114.1494, 63.3860, 92.5910



32.6113, 63.3860, 15.9848



76.5397, 63.3860, 264.7779

# Square

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



32.6113, 63.3860, 15.9848



36.4333, 63.3860, 215.9195



100.2564, 63.3860, 183.7101



92.6718, 63.3860, 10.7140



# Rectangle

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



32.6113, 63.3860, 15.9848



26.7431, 63.3860, 93.4481



100.2564, 63.3860, 183.7101



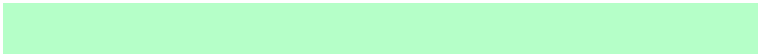
114.0832, 63.3860, 49.2641

# Sweetspot

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



32.6128, 63.3886, 15.9862



65.2365, 85.5133, 67.6239



51.0351, 73.0005, 11.6591



13.2408, 17.9537, 13.4101



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



32.6128, 63.3886, 15.9862



36.7099, 71.9000, 16.9222



40.1168, 66.3902, 55.5018



15.7308, 17.7224, 17.6055



17.5645, 34.3178, 8.3555



1.5001, 2.8705, 0.9001



# Inverse Universe

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



44.8181, 22.2742, 46.1924



50.5502, 24.9841, 50.9568



37.3879, 19.3022, 7.0656



16.2725, 15.9587, 18.9913



24.1800, 11.9444, 24.6622

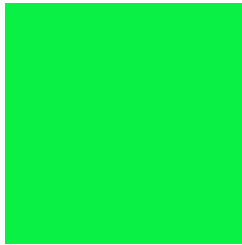


2.0514, 1.0096, 2.2615



# Previews

## White Background



This preview shows how the XYZ color 32.6113, 63.3860, 15.9848 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.6113, 63.3860, 15.9848 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 32.6113, 63.3860, 15.9848**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.6113, 63.3860, 15.9848.



This preview shows how white text looks on a background with the XYZ color 32.6113, 63.3860,



# 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

32.6113, 63.3860, 15.9848

### Protanopia

56.3810, 62.0972, 13.1520

### Deuteranopia

63.1380, 61.9652, 18.7580



## **Tritanopia**

48.2485, 62.9741, 94.4063

# Trichromacy



## Original Color

32.6113, 63.3860, 15.9848



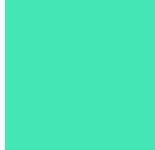
## Protanomaly

38.9635, 57.5901, 13.6198



## Deuteranomaly

41.0815, 56.3200, 16.8892



## Tritanomaly

38.9594, 61.5648, 52.4776

# Monochromacy



## Original Color

32.6113, 63.3860, 15.9848



## Achromatopsia

29.8446, 31.3989, 34.1934



## Achromatomaly

25.8472, 38.3708, 24.1332

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.6113, 63.3860, 15.9848 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(9, 241, 68)` looks like.

```
.text, #text, p{  
    color:rgb(9, 241, 68)  
}
```

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(9, 241, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 241, 68) }
```

## Border

The CSS property to change the border of an element to XYZ 32.6113, 63.3860, 15.9848 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(9, 241, 68) }
```



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

```
.border{ border-color:rgb(9, 241, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 241, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 241, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 241, 68);  
box-shadow:4px 4px 4px 4px rgb(9, 241, 68)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 32.6113, 63.3860, 15.9848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 241, 68) }
```

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

```
.background{ background-color: rgb(9, 241,  
68) }
```

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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