

# Converting Colors

XYZ(32.0201, 58.1301, 27.1756)

Have a look what the booklet for  
XYZ(32.0201, 58.1301, 27.1756)  
contains.

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# Color

**XYZ(32.0403, 58.1319,  
27.3012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	17E678
RGB	23, 230, 120
RGB Percent	9%, 90%, 47%
CMY	0.9098, 0.0980, 0.5294
CMYK	0.90, 0.00, 0.48, 0.10
HSL	148°, 82%, 50%
HSV	148°, 90%, 90%
XYZ	32.0403, 58.1319, 27.3012
YIQ	155.5670, -88.0620, -78.0940

# Conversions

## Conversions Part 2

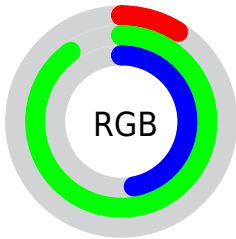
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	23, 164, 230
Decimal	1566328
CIE <sub>Lab</sub>	80.81, -69.31, 40.80
CIE <sub>LCh</sub>	81, 80.429, 149.516
Yxy	58.1319, 0.2727, 0.4949
Android (android.graphics.Color)	4279756408 (0xFF17E678)
YUV	155.5670, -17.5345, -116.2613
Hunter-Lab	76.2443, -58.4160, 32.1407

# Details

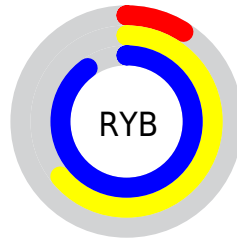
The XYZ color **32.0403, 58.1319, 27.3012** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **37.1749, 19.1302, 23.9255**, and the grayscale version is **31.5122, 33.1533, 36.1039**.

A 20% lighter version of the original color is **50.2100, 78.0867, 52.4703**, and **16.0177, 30.3168, 10.6377** is the 20% darker color. If you saturate the color by 10%, you get **30.9931, 57.6740, 23.6249**, and if you desaturate by 10%, it is **33.6052, 58.8490, 31.4987**.

# Distribution



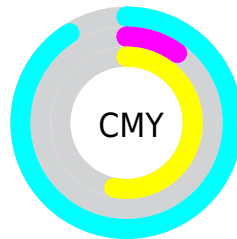
- Red (9%)
- Green (90%)
- Blue (47%)



- Red (9%)
- Yellow (64%)
- Blue (90%)



- Cyan (90%)
- Magenta (0%)
- Yellow (48%)
- Black (10%)




- Cyan (91%)
- Magenta (10%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0403, 58.1319, 27.3012 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 32.0403, 58.1319, 27.3012 by changing the saturation by 10% instead.





 32.0403, 58.1319,  
27.3012


 32.0403, 58.1319,  
27.3012


303.0448,  
417.6772, 302.9187


 21.5480, 41.9147,  
17.5651


 62.2390, 102.1149,  
56.3764


 13.6399, 29.0345,  
10.4720


 82.6761, 130.6495,  
76.5526


 7.9506, 19.1069,  
5.6034


 107.1589,  
164.0587, 101.0460

 4.1149, 11.7476,  
2.5406

 136.0527,  
202.7269, 130.2750

 1.7674, 6.5720,  
0.8615

 169.7228,  
247.0384, 164.6583

 0.4979, 3.1959,  
0.0000

208.5346,

 0.0000, 1.2349,

297.3777, 204.6143

0.0000

252.8535,  
354.1292, 250.5616

■ 0.0000, 0.0899,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 32.0403, 58.1319,  
27.3012

■ 32.0403, 58.1319,  
27.3012

■ 30.9931, 57.6740,  
23.6249

■ 33.6052, 58.8490,  
31.4987

■ 30.9929, 57.6739,  
23.6243


■ 35.8209, 59.8887,  
36.2372


■ 38.7699, 61.2946,  
41.5388


■ 42.5204, 63.1017,  
47.4224

 47.1327, 65.3407,  
53.9063

 52.6607, 68.0391,  
61.0076

 59.1542, 71.2221,  
68.7428

 66.6588, 74.9131,  
77.1277

 75.2175, 79.1338,  
86.1775

# Harmonies

## Analogous

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



40.9599, 58.1319, 12.3936



32.0403, 58.1319, 27.3012



29.0672, 58.1319, 62.5265

# Triad

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



32.0403, 58.1319, 27.3012



54.9834, 58.1319, 205.9557



87.9783, 58.1319, 28.0720

# Complementary

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



32.0403, 58.1319, 27.3012



37.1749, 19.1302, 23.9255

# 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.



93.7526, 58.1319, 64.0713



32.0403, 58.1319, 27.3012



72.5346, 58.1319, 180.9717

# Square

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



32.0403, 58.1319, 27.3012



40.5785, 58.1319, 179.4203



87.6111, 58.1319, 121.9822



73.0961, 58.1319, 12.6559



# Rectangle

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



32.0403, 58.1319, 27.3012



30.2791, 58.1319, 99.0474



87.6111, 58.1319, 121.9822



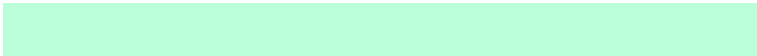
91.1671, 58.1319, 37.3852

# Sweetspot

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



32.0418, 58.1343, 27.3025



68.7551, 87.0615, 79.7939



38.1895, 61.6773, 10.7030



14.1487, 18.3569, 16.3838



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.



32.0418, 58.1343, 27.3025



39.1194, 72.8637, 29.6102



41.9847, 62.1114, 79.6615



14.4690, 16.2010, 16.7345



17.6064, 32.6747, 13.6934



1.3476, 2.4332, 1.2572



# Inverse Universe

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



37.1749, 19.1302, 23.9255



45.6491, 23.0236, 25.1480



33.1740, 17.5299, 2.8570



14.6955, 14.4954, 16.5968



20.5341, 10.3478, 11.7073

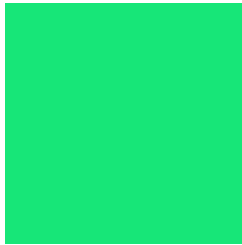


1.5642, 0.7834, 1.1119



# Previews

## White Background



This preview shows how the XYZ color 32.0403, 58.1319, 27.3012 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

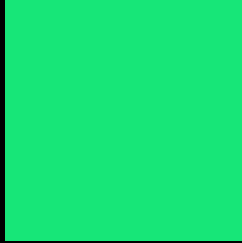
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 32.0403, 58.1319, 27.3012 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

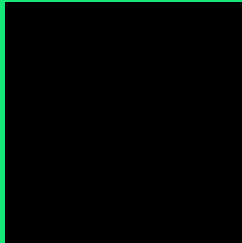
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 32.0403, 58.1319, 27.3012**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.0403, 58.1319, 27.3012.



This preview shows how white text looks on a background with the XYZ color 32.0403, 58.1319,



# 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

32.0403, 58.1319, 27.3012

### Protanopia

52.3972, 57.0110, 22.7106

### Deuteranopia

58.0393, 56.7893, 29.0215



## Tritanopia

43.9281, 57.7477, 87.4284

# Trichromacy



## Original Color

32.0403, 58.1319, 27.3012



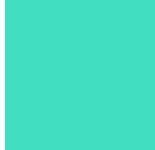
## Protanomaly

38.2400, 53.5813, 23.9496



## Deuteranomaly

40.0944, 52.6426, 27.7865



## Tritanomaly

37.9269, 57.2166, 59.4970

# Monochromacy



## Original Color

32.0403, 58.1319, 27.3012



## Achromatopsia

31.5995, 33.2452, 36.2040



## Achromatomaly

28.0758, 39.0383, 32.0420

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.0403, 58.1319, 27.3012 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(23, 230, 120)` looks like.

```
.text, #text, p{  
    color:rgb(23, 230, 120)  
}
```

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(23, 230, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 230, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 32.0403, 58.1319, 27.3012 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(23, 230, 120) }
```



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

```
.border{ border-color:rgb(23, 230, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 230, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 230, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 230, 120);  
box-shadow:4px 4px 4px 4px rgb(23, 230,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.0403, 58.1319, 27.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 230, 120) }
```

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

```
.background{ background-color: rgb(23, 230,  
120) }
```

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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