

# Converting Colors

XYZ(30.3243, 56.1027, 22.4364)

Have a look what the booklet for  
XYZ(30.3243, 56.1027, 22.4364)  
contains.

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# Color

**XYZ(30.3211, 56.1198,  
22.3308)**

# Conversions

## Conversions Part 1

Format	Color
Hex	17E368
RGB	23, 227, 104
RGB Percent	9%, 89%, 41%
CMY	0.9098, 0.1098, 0.5921
CMYK	0.90, 0.00, 0.54, 0.11
HSL	144°, 82%, 49%
HSV	144°, 90%, 89%
XYZ	30.3211, 56.1198, 22.3308
YIQ	151.9820, -82.1010, -81.5010

# Conversions

## Conversions Part 2

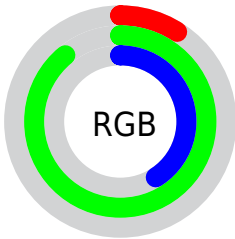
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	23, 169, 227
Decimal	1565544
CIE <sub>Lab</sub>	79.68, -70.78, 47.02
CIE <sub>LCh</sub>	80, 84.977, 146.401
Yxy	56.1198, 0.2788, 0.5159
Android (android.graphics.Color)	4279755624 (0xFF17E368)
YUV	151.9820, -23.6551, -113.1172
Hunter-Lab	74.9131, -58.8501, 34.7655

# Details

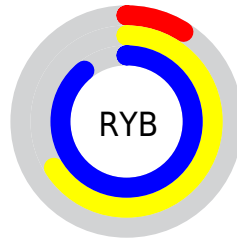
The XYZ color **30.3211, 56.1198, 22.3308** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **37.1750, 19.0200, 28.9081**, and the grayscale version is **29.9630, 31.5234, 34.3290**.

A 20% lighter version of the original color is **48.7416, 77.4993, 44.7377**, and **14.9946, 28.9974, 8.0556** is the 20% darker color. If you saturate the color by 10%, you get **29.3329, 55.6859, 18.9460**, and if you desaturate by 10%, it is **31.8353, 56.8150, 26.3318**.

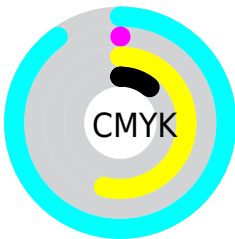
# Distribution



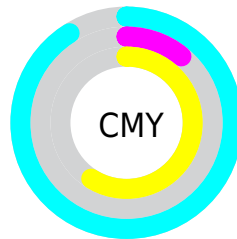
- Red (9%)
- Green (89%)
- Blue (41%)



- Red (9%)
- Yellow (66%)
- Blue (89%)



- Cyan (90%)
- Magenta (0%)
- Yellow (54%)
- Black (11%)




- Cyan (91%)
- Magenta (11%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3211, 56.1198, 22.3308 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 30.3211, 56.1198, 22.3308 by changing the saturation by 10% instead.





 30.3211, 56.1198,  
22.3308


 30.3211, 56.1198,  
22.3308


295.2814,  
410.1428, 277.2786

 20.2317, 40.2990,  
13.8995


 59.5528, 99.1797,  
48.2013


 12.6728, 27.7717,  
7.9129

 79.4257, 127.1876,  
66.4776


 7.2791, 18.1537,  
3.9523


 103.2907,  
160.0266, 88.8727

 3.6851, 11.0604,  
1.5992

 131.5128,  
198.0812, 115.8051

 1.5256, 6.1075,  
0.2902

 164.4576,  
241.7357, 147.6934

 0.3431, 2.9105,  
0.0000

202.4904,

 0.0000, 1.0852,

291.3746, 184.9560

0.0000

245.9765,  
347.3821, 228.0116

■ 0.0000, 0.0000,  
0.0000

■ 30.3211, 56.1198,  
22.3308

■ 30.3211, 56.1198,  
22.3308

■ 29.3329, 55.6859,  
18.9460

■ 31.8353, 56.8150,  
26.3318


■ 29.3213, 55.6808,  
18.9046

■ 34.0048, 57.8328,  
30.9778

■ 36.9108, 59.2162,  
36.2987


■ 40.6209, 60.9993,  
42.3212

■ 45.1946, 63.2125,  
49.0703

 50.6856, 65.8830,  
56.5699

 57.1432, 69.0355,  
64.8426

 64.6128, 72.6933,  
73.9099

 73.1370, 76.8778,  
83.7928

# Harmonies

## Analogous

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



39.9818, 56.1198, 9.5480



30.3211, 56.1198, 22.3308



26.7370, 56.1198, 55.3668

# Triad

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



30.3211, 56.1198, 22.3308



51.2971, 56.1198, 212.0957



88.6581, 56.1198, 28.0007

# Complementary

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



30.3211, 56.1198, 22.3308



37.1750, 19.0200, 28.9081

# 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.



93.4767, 56.1198, 67.2264



30.3211, 56.1198, 22.3308



69.3849, 56.1198, 190.7080

# Square

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



30.3211, 56.1198, 22.3308



37.0960, 56.1198, 178.3266



85.7855, 56.1198, 129.6689



73.7451, 56.1198, 11.3730



# Rectangle

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



30.3211, 56.1198, 22.3308



27.5507, 56.1198, 91.8326



85.7855, 56.1198, 129.6689



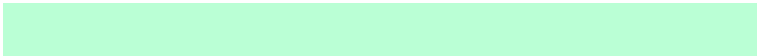
91.6334, 56.1198, 38.1328

# Sweetspot

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



30.3225, 56.1221, 22.3321



68.1184, 86.8068, 76.4407



39.9836, 61.3734, 10.5497



13.9998, 18.2973, 15.5995



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.



30.3225, 56.1221, 22.3321



38.1212, 72.4645, 24.3538



38.6274, 59.4441, 66.0654



14.4252, 16.1835, 16.5037



17.1534, 32.4934, 11.3079



1.3123, 2.4191, 1.0713



# Inverse Universe

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



37.1750, 19.0200, 28.9081



47.0520, 23.5848, 32.5357



32.4954, 17.1482, 4.2659



14.7401, 14.5132, 16.8317



21.1619, 10.5990, 15.0136

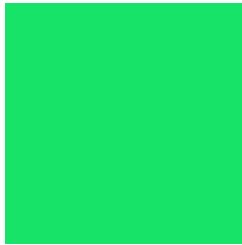


1.6093, 0.8014, 1.3490



# Previews

## White Background



This preview shows how the XYZ color 30.3211, 56.1198, 22.3308 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 30.3211, 56.1198, 22.3308 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 30.3211, 56.1198, 22.3308

## Background



This preview shows how black text looks on a background with the XYZ color 30.3211, 56.1198, 22.3308.



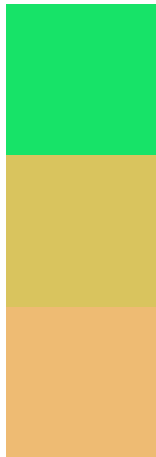
This preview shows how white text looks on a background with the XYZ color 30.3211, 56.1198,



# 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

30.3211, 56.1198, 22.3308

### Protanopia

50.3756, 55.0397, 18.5583

### Deuteranopia

56.1247, 54.9556, 23.8691



## Tritanopia

42.6868, 56.0363, 84.1676

# Trichromacy



## Original Color

30.3211, 56.1198, 22.3308



## Protanomaly

36.3715, 51.6185, 19.6017



## Deuteranomaly

38.4870, 50.8623, 22.8279



## Tritanomaly

36.3352, 55.3241, 54.6625

# Monochromacy



## Original Color

30.3211, 56.1198, 22.3308



## Achromatopsia

29.8446, 31.3989, 34.1934



## Achromatomaly

26.3190, 36.9927, 28.6748

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.3211, 56.1198, 22.3308 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, 227, 104)` looks like.

```
.text, #text, p{  
    color:rgb(23, 227, 104)  
}
```

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, 227, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 227, 104) }
```

## Border

The CSS property to change the border of an element to XYZ 30.3211, 56.1198, 22.3308 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, 227, 104) }
```



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

```
.border{ border-color:rgb(23, 227, 104) }
```

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

Here you see how a box with a 4 pixel rgb(23, 227, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 227, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 227, 104);  
box-shadow:4px 4px 4px 4px rgb(23, 227,  
104) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.3211, 56.1198, 22.3308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 227, 104) }
```

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

```
.background{ background-color: rgb(23, 227,  
104) }
```

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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