

# Converting Colors

XYZ(23.1956, 43.8297, 15.6284)

Have a look what the booklet for  
XYZ(23.1956, 43.8297, 15.6284)  
contains.

<b>XYZ(23.1931, 43.8258, 15.6243)</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(23.1931, 43.8258,  
15.6243)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CC54
RGB	0, 204, 84
RGB Percent	0%, 80%, 33%
CMY	1.0000, 0.2000, 0.6706
CMYK	1.00, 0.00, 0.59, 0.20
HSL	145°, 100%, 40%
HSV	145°, 100%, 80%
XYZ	23.1931, 43.8258, 15.6243
YIQ	129.3240, -83.0640, -80.5680

# Conversions

## Conversions Part 2

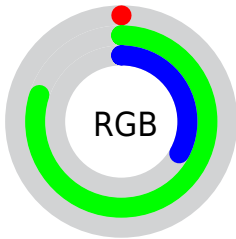
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 145, 204
Decimal	52308
CIELab	72.11, -67.35, 47.21
CIELCh	72, 82.245, 144.969
Yxy	43.8258, 0.2806, 0.5303
Android (android.graphics.Color)	4278242388 (0xFF00CC54)
YUV	129.3240, -22.3447, -113.4171
Hunter-Lab	66.2011, -53.3156, 32.3475

# Details

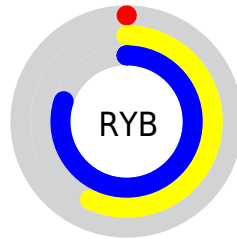
The XYZ color **23.1931, 43.8258, 15.6243** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **28.2936, 14.1943, 19.0207**, and the grayscale version is **21.0784, 22.1762, 24.1498**.

A 20% lighter version of the original color is **45.7548, 76.1509, 35.9540**, and **10.8372, 21.2787, 4.8324** is the 20% darker color. If you saturate the color by 10%, you get **23.1939, 43.8275, 15.6242**, and if you desaturate by 10%, it is **24.0021, 44.1850, 18.3308**.

# Distribution



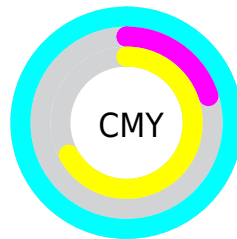
- Red (0%)
- Green (80%)
- Blue (33%)



- Red (0%)
- Yellow (57%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1931, 43.8258, 15.6243 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 23.1931, 43.8258, 15.6243 by changing the saturation by 10% instead.





 23.1931, 43.8258,  
15.6243


 23.1931, 43.8258,  
15.6243


261.2321,  
361.9969, 238.8840


 14.8576, 30.5336,  
9.1072


 48.1745, 80.9556,  
36.7024


 8.8052, 20.2439,  
4.7134


 65.5512, 105.5619,  
52.1005


 4.6704, 12.5725,  
2.0243


 86.6723, 134.7084,  
71.2960

 2.0880, 7.1348,  
0.5702

 111.9033,  
168.7794, 94.7075

 0.6827, 3.5466,  
0.0000

 141.6093,  
208.1594, 122.7535

 0.0000, 1.4233,  
0.0000

176.1559,

 0.0000, 0.2338,

253.2327, 155.8526

0.0000

215.9084,  
304.3838, 194.4232

■ 0.0000, 0.0000,  
0.0000

■ 23.1931, 43.8258,  
15.6243

■ 23.1931, 43.8258,  
15.6243

■ 23.1939, 43.8275,  
15.6242

■ 24.0021, 44.1850,  
18.3308

■ 25.2076, 44.7377,  
21.4952

■ 26.9216, 45.5423,  
25.1425

■ 29.2048, 46.6299,  
29.2930

■ 32.1089, 48.0266,  
33.9657

■ 35.6793, 49.7555,  
39.1787

■ 39.9573, 51.8376,  
44.9489

■ 44.9803, 54.2919,  
51.2927

■ 50.7833, 57.1360,  
58.2256

# Harmonies

## Analogous

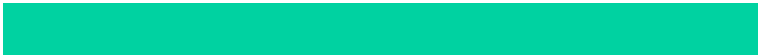
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.2441, 43.8258, 6.3010



23.1931, 43.8258, 15.6243



20.0949, 43.8258, 41.2401

# Triad

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



23.1931, 43.8258, 15.6243



39.3268, 43.8258, 174.0417



71.3183, 43.8258, 21.9101

# Complementary

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



23.1931, 43.8258, 15.6243



28.2936, 14.1943, 19.0207

# 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.



74.8455, 43.8258, 54.8429



23.1931, 43.8258, 15.6243



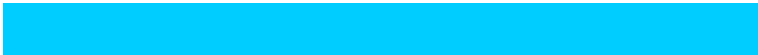
54.1546, 43.8258, 158.0990

# Square

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



23.1931, 43.8258, 15.6243



27.9723, 43.8258, 143.4706



67.9757, 43.8258, 107.4632



59.1997, 43.8258, 8.2328

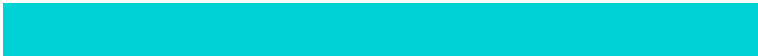


# Rectangle

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



23.1931, 43.8258, 15.6243



20.5999, 43.8258, 70.6673



67.9757, 43.8258, 107.4632



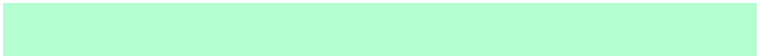
73.6488, 43.8258, 30.3691

# Sweetspot

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



23.1942, 43.8276, 15.6253



65.8677, 85.6973, 74.0416



29.6773, 47.3547, 7.5765



13.4236, 18.0140, 14.9532



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.



23.1942, 43.8276, 15.6253



38.3096, 72.5398, 25.3460



30.2041, 46.6315, 52.5389



11.2564, 12.6123, 12.9074



14.6418, 27.6020, 10.0645



0.7928, 1.4389, 0.7164



# Inverse Universe

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



28.2936, 14.1943, 19.0207



46.7453, 23.4621, 30.9208



25.0328, 12.8900, 1.8497



11.4845, 11.3225, 13.0860



17.8547, 8.9525, 12.2195

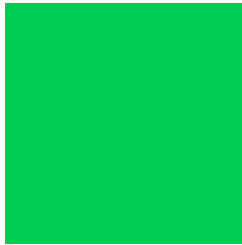


0.9583, 0.4767, 0.8261



# Previews

## White Background



This preview shows how the XYZ color 23.1931, 43.8258, 15.6243 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 23.1931, 43.8258, 15.6243 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 23.1931, 43.8258, 15.6243**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.1931, 43.8258, 15.6243.



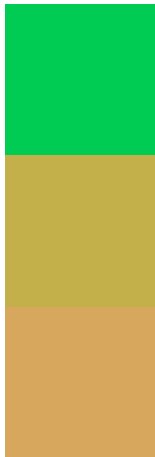
This preview shows how white text looks on a background with the XYZ color 23.1931, 43.8258,



# 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

23.1931, 43.8258, 15.6243

### Protanopia

39.3010, 43.1608, 12.9161

### Deuteranopia

43.8634, 42.8927, 16.5569



## Tritanopia

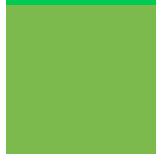
33.2866, 43.5159, 65.6765

# Trichromacy



## Original Color

23.1931, 43.8258, 15.6243



## Protanomaly

27.2462, 39.9530, 13.4834



## Deuteranomaly

28.4832, 38.6991, 15.6413



## Tritanomaly

27.6777, 42.8186, 40.9885

# Monochromacy



## Original Color

23.1931, 43.8258, 15.6243



## Achromatopsia

20.8660, 21.9526, 23.9064



## Achromatomaly

18.3488, 26.7630, 19.8215

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.1931, 43.8258, 15.6243 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, 204, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 84)  
}
```

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, 204, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 84) }
```

## Border

The CSS property to change the border of an element to XYZ 23.1931, 43.8258, 15.6243 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, 204, 84) }
```



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

```
.border{ border-color:rgb(0, 204, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 84);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 84)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 23.1931, 43.8258, 15.6243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 84) }
```

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

```
.background{ background-color: rgb(0, 204,  
84) }
```

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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