

Converting Colors

XYZ(20.2860, 38.6403, 12.1939)

Have a look what the booklet for
XYZ(20.2860, 38.6403, 12.1939)
contains.

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Color

**XYZ(20.2881, 38.6402,
12.1834)**

Conversions

Conversions Part 1

Format	Color
Hex	09C146
RGB	9, 193, 70
RGB Percent	4%, 76%, 27%
CMY	0.9647, 0.2431, 0.7255
CMYK	0.95, 0.00, 0.64, 0.24
HSL	140°, 91%, 40%
HSV	140°, 95%, 76%
XYZ	20.2881, 38.6402, 12.1834
YIQ	123.9620, -70.1810, -77.2610

Conversions

Conversions Part 2

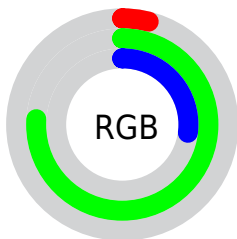
Format	Color
RYB	9, 147, 193
Decimal	639302
CIELab	68.49, -65.36, 49.30
CIELCh	68, 81.870, 142.977
Yxy	38.6402, 0.2853, 0.5434
Android (android.graphics.Color)	4278829382 (0xFF09C146)
YUV	123.9620, -26.6033, -100.8217
Hunter-Lab	62.1612, -50.5236, 31.8922

Details

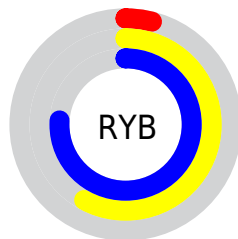
The XYZ color **20.2881, 38.6402, 12.1834** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **26.2559, 13.1993, 22.9945**, and the grayscale version is **19.2491, 20.2515, 22.0539**.

A 20% lighter version of the original color is **43.4392, 73.1911, 30.5767**, and **9.1433, 18.1989, 3.3180** is the 20% darker color. If you saturate the color by 10%, you get **19.9957, 38.5114, 11.2280**, and if you desaturate by 10%, it is **21.1156, 39.0157, 14.5824**.

Distribution



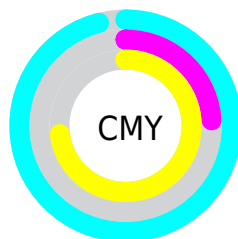
- Red (4%)
- Green (76%)
- Blue (27%)



- Red (4%)
- Yellow (58%)
- Blue (76%)



- Cyan (95%)
- Magenta (0%)
- Yellow (64%)
- Black (24%)



- Cyan (96%)
- Magenta (24%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2881, 38.6402, 12.1834 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 20.2881, 38.6402, 12.1834 by changing the saturation by 10% instead.

■ 20.2881, 38.6402,
12.1834

■ 20.2881, 38.6402,
12.1834

246.2745,
340.3583, 216.6365

■ 12.7141, 26.4799,
6.7447

■ 43.3999, 73.0883,
30.4981

■ 7.3076, 17.1830,
3.2269

■ 59.6685, 96.1450,
44.2111

■ 3.7033, 10.3651,
1.2116

■ 79.5660, 123.6026,
61.5192

■ 1.5357, 5.6417,
0.0000

■ 103.4577,
155.8455, 82.8411

■ 0.3499, 2.6284,
0.0000

■ 131.7091,
193.2582, 108.5953

■ 0.0000, 0.9410,
0.0000

164.6855,

■ 0.0000, 0.0000,

236.2249, 139.2002

0.0000

202.7521,
285.1302, 175.0744

■ 20.2881, 38.6402,
12.1834

■ 20.2881, 38.6402,
12.1834

■ 19.9957, 38.5114,
11.2280

■ 21.1156, 39.0157,
14.5824

■ 22.3735, 39.6012,
17.4845

■ 24.1236, 40.4292,
20.9182

■ 26.4161, 41.5251,
24.9091

■ 29.2948, 42.9109,
29.4809

■ 32.7988, 44.6064,
34.6558

■ 36.9636, 46.6294,
40.4551

■ 41.8221, 48.9964,
46.8989

■ 47.4049, 51.7230,
54.0062

Harmonies

Analogous

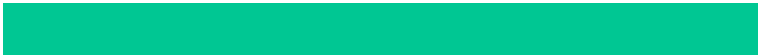
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.8813, 38.6402, 4.7282



20.2881, 38.6402, 12.1834



17.2204, 38.6402, 33.9816

Triad

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



20.2881, 38.6402, 12.1834



33.7803, 38.6402, 159.0489



64.5753, 38.6402, 20.0128

Complementary

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



20.2881, 38.6402, 12.1834



26.2559, 13.1993, 22.9945

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.



67.2021, 38.6402, 51.3557



20.2881, 38.6402, 12.1834



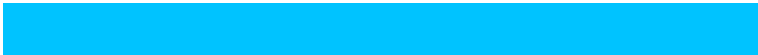
47.2684, 38.6402, 147.0009

Square

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



20.2881, 38.6402, 12.1834



23.7399, 38.6402, 127.9206



60.2632, 38.6402, 100.8709



53.7505, 38.6402, 7.0493

Rectangle

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



20.2881, 38.6402, 12.1834



17.4914, 38.6402, 60.0967



60.2632, 38.6402, 100.8709



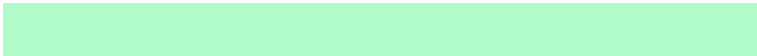
66.5360, 38.6402, 28.0692

Sweetspot

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



20.2890, 38.6418, 12.1843



62.9801, 81.9452, 68.0370



29.0694, 43.2902, 7.0823



12.8376, 17.2528, 13.6514



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



20.2890, 38.6418, 12.1843



35.7100, 68.9313, 19.5760



25.4649, 40.7121, 39.4399



10.0791, 11.3127, 11.4198



13.3324, 25.6270, 7.6434



0.6084, 1.1202, 0.5005

Inverse Universe

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



26.2559, 13.1993, 22.9945



46.3683, 23.0974, 38.5985



22.5221, 11.7058, 3.3326



10.3507, 10.1889, 11.9374



17.3019, 8.6105, 14.7679



0.7784, 0.3844, 0.8003

Previews

White Background



This preview shows how the XYZ color 20.2881, 38.6402, 12.1834 looks on a white background.

Color Contrast Check

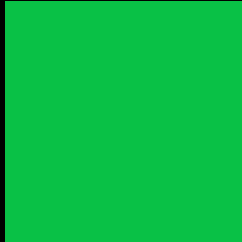
Large Text (above 18pt) WCAG AA × Fail

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 20.2881, 38.6402, 12.1834 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 20.2881, 38.6402, 12.1834

Background



This preview shows how black text looks on a background with the XYZ color 20.2881, 38.6402, 12.1834.



This preview shows how white text looks on a background with the XYZ color 20.2881, 38.6402,

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

20.2881, 38.6402, 12.1834

Protanopia

34.5133, 37.9345, 10.0605

Deuteranopia

38.6139, 37.8852, 13.0620



Tritanopia

29.5161, 38.6076, 57.5261

Trichromacy



Original Color

20.2881, 38.6402, 12.1834



Protanomaly

24.3646, 35.4973, 10.5685



Deuteranomaly

25.5753, 34.6482, 12.3610



Tritanomaly

24.3222, 37.6568, 34.8407

Monochromacy



Original Color

20.2881, 38.6402, 12.1834



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.7258, 24.2882, 16.9033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2881, 38.6402, 12.1834 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, 193, 70)` looks like.

```
.text, #text, p{  
    color:rgb(9, 193, 70)  
}
```

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, 193, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 193, 70) }
```

Border

The CSS property to change the border of an element to XYZ 20.2881, 38.6402, 12.1834 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, 193, 70) }
```


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

```
.border{ border-color:rgb(9, 193, 70) }
```

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

Here you see how a box with a 4 pixel rgb(9, 193, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 193, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 193, 70);  
box-shadow:4px 4px 4px 4px rgb(9, 193, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.2881, 38.6402, 12.1834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 193, 70) }
```

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

```
.background{ background-color: rgb(9, 193,  
70) }
```

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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