

Converting Colors

XYZ(19.6641, 38.0103, 10.6180)

Have a look what the booklet for
XYZ(19.6641, 38.0103, 10.6180)
contains.

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Color

**XYZ(19.6652, 38.0255,
10.5782)**

Conversions

Conversions Part 1

Format	Color
Hex	00C03C
RGB	0, 192, 60
RGB Percent	0%, 75%, 24%
CMY	1.0000, 0.2470, 0.7647
CMYK	1.00, 0.00, 0.69, 0.25
HSL	139°, 100%, 38%
HSV	139°, 100%, 75%
XYZ	19.6652, 38.0255, 10.5782
YIQ	119.5440, -72.0600, -81.7560

Conversions

Conversions Part 2

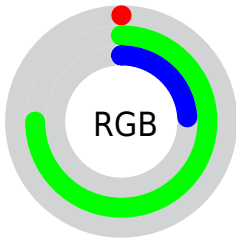
Format	Color
RYB	0, 146, 192
Decimal	49212
CIELab	68.04, -66.51, 52.95
CIELCh	68, 85.018, 141.475
Yxy	38.0255, 0.2881, 0.5570
Android (android.graphics.Color)	4278239292 (0xFF00C03C)
YUV	119.5440, -29.3552, -104.8401
Hunter-Lab	61.6648, -50.9889, 32.9946

Details

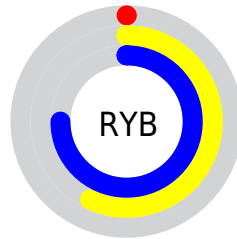
The XYZ color **19.6652, 38.0255, 10.5782** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **25.9039, 12.8728, 22.9488**, and the grayscale version is **17.8148, 18.7426, 20.4107**.

A 20% lighter version of the original color is **42.4784, 72.2954, 27.6352**, and **8.9457, 17.8913, 2.9819** is the 20% darker color. If you saturate the color by 10%, you get **19.6661, 38.0271, 10.5791**, and if you desaturate by 10%, it is **20.3323, 38.3250, 12.6648**.

Distribution



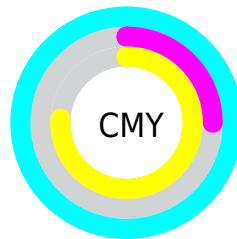
- Red (0%)
- Green (75%)
- Blue (24%)



- Red (0%)
- Yellow (57%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6652, 38.0255, 10.5782 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 19.6652, 38.0255, 10.5782 by changing the saturation by 10% instead.

■ 19.6652, 38.0255,
10.5782

■ 19.6652, 38.0255,
10.5782

242.9651,
337.7293, 205.3829

■ 12.2588, 26.0025,
5.6734

■ 42.3634, 72.1472,
27.5021

■ 6.9936, 16.8255,
2.5820

■ 58.3858, 95.0147,
40.3583

■ 3.5044, 10.1102,
0.8831

■ 78.0110, 122.2658,
56.7021

■ 1.4258, 5.4721,
0.0000

■ 101.6043,
154.2849, 76.9519

■ 0.2745, 2.5268,
0.0000

■ 129.5309,
191.4564, 101.5264

■ 0.0000, 0.8900,
0.0000

162.1564,

■ 0.0000, 0.0000,

234.1648, 130.8440

0.0000

199.8460,
282.7943, 165.3233

■ 19.6652, 38.0255,
10.5782

■ 19.6652, 38.0255,
10.5782

■ 19.6661, 38.0271,
10.5791

■ 20.3323, 38.3250,
12.6648

■ 21.3606, 38.7989,
15.2529

■ 22.8533, 39.5009,
18.3764

■ 24.8646, 40.4582,
22.0638

■ 27.4406, 41.6941,
26.3415

■ 30.6223, 43.2294,
31.2344

■ 34.4468, 45.0825,
36.7657

■ 38.9479, 47.2705,
42.9574

■ 44.1573, 49.8093,
49.8306

Harmonies

Analogous

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



27.6033, 38.0255, 3.8740



19.6652, 38.0255, 10.5782



16.3650, 38.0255, 31.5121

Triad

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



19.6652, 38.0255, 10.5782



32.4995, 38.0255, 163.3907



65.3717, 38.0255, 20.0430

Complementary

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



19.6652, 38.0255, 10.5782



25.9039, 12.8728, 22.9488

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.



67.6019, 38.0255, 53.1739



19.6652, 38.0255, 10.5782



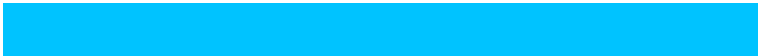
46.2819, 38.0255, 152.9951

Square

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



19.6652, 38.0255, 10.5782



22.4960, 38.0255, 128.5981



59.9301, 38.0255, 105.4076



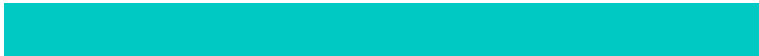
54.4222, 38.0255, 6.5545

Rectangle

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



19.6652, 38.0255, 10.5782



16.4995, 38.0255, 57.6606



59.9301, 38.0255, 105.4076



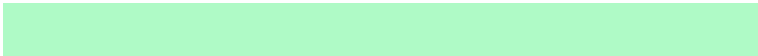
67.2571, 38.0255, 28.5309

Sweetspot

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



19.6661, 38.0271, 10.5791



62.0526, 81.5088, 66.1060



28.7462, 42.8022, 6.7466



12.6544, 17.1673, 13.2424



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.



19.6661, 38.0271, 10.5791



35.5332, 68.8606, 18.6449



24.6501, 40.0207, 36.8242



10.0712, 11.3095, 11.3783



13.2640, 25.5996, 7.2831



0.6048, 1.1188, 0.4816

Inverse Universe

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



25.9039, 12.8728, 22.9488



46.8159, 23.2765, 40.9552



22.0954, 11.3495, 2.8939



10.3590, 10.1922, 11.9808



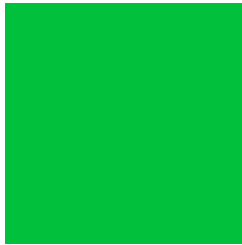
17.4662, 8.6762, 15.6330



0.7846, 0.3868, 0.8329

Previews

White Background



This preview shows how the XYZ color 19.6652, 38.0255, 10.5782 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 19.6652, 38.0255, 10.5782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

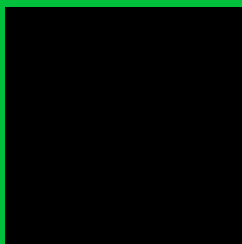
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.6652, 38.0255, 10.5782

Background



This preview shows how black text looks on a background with the XYZ color 19.6652, 38.0255, 10.5782.



This preview shows how white text looks on a background with the XYZ color 19.6652, 38.0255,

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

19.6652, 38.0255, 10.5782

Protanopia

33.8649, 37.3577, 8.7940

Deuteranopia

37.9600, 37.0822, 11.2878



Tritanopia

28.9996, 37.7549, 56.7979

Trichromacy



Original Color

19.6652, 38.0255, 10.5782



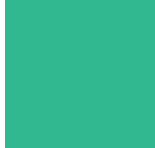
Protanomaly

23.3799, 34.7274, 9.2122



Deuteranomaly

24.4373, 33.5391, 10.6546



Tritanomaly

23.5667, 37.0034, 32.6883

Monochromacy



Original Color

19.6652, 38.0255, 10.5782



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.4640, 22.9761, 15.1751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6652, 38.0255, 10.5782 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, 192, 60)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 60)  
}
```

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, 192, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 60) }
```

Border

The CSS property to change the border of an element to XYZ 19.6652, 38.0255, 10.5782 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, 192, 60) }
```


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

```
.border{ border-color:rgb(0, 192, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 192, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 60);  
box-shadow:4px 4px 4px 4px rgb(0, 192, 60)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.6652, 38.0255, 10.5782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 60) }
```

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

```
.background{ background-color: rgb(0, 192,  
60) }
```

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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