

Converting Colors

XYZ(19.6551, 38.0889, 7.5985)

Have a look what the booklet for
XYZ(19.6551, 38.0889, 7.5985)
contains.

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Color

**XYZ(19.6620, 38.0895,
7.6120)**

Conversions

Conversions Part 1

Format	Color
Hex	1FC01F
RGB	31, 192, 31
RGB Percent	12%, 75%, 12%
CMY	0.8784, 0.2470, 0.8784
CMYK	0.84, 0.00, 0.84, 0.25
HSL	120°, 72%, 44%
HSV	120°, 84%, 75%
XYZ	19.6620, 38.0895, 7.6120
YIQ	125.5070, -44.2750, -84.2030

Conversions

Conversions Part 2

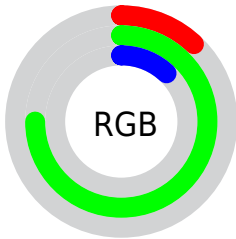
Format	Color
RYB	31, 192, 192
Decimal	2080799
CIELab	68.09, -66.73, 62.59
CIELCh	68, 91.489, 136.836
Yxy	38.0895, 0.3008, 0.5827
Android (android.graphics.Color)	4280270879 (0xFF1FC01F)
YUV	125.5070, -46.5920, -82.8826
Hunter-Lab	61.7167, -51.1368, 35.8890

Details

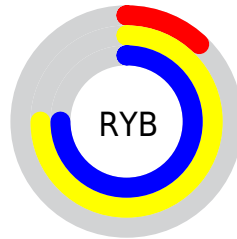
The XYZ color **19.6620, 38.0895, 7.6120** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **31.7429, 15.9924, 51.2799**, and the grayscale version is **19.8285, 20.8611, 22.7177**.

A 20% lighter version of the original color is **42.4240, 72.3951, 21.8629**, and **8.9457, 17.8913, 2.9819** is the 20% darker color. If you saturate the color by 10%, you get **19.0644, 37.8036, 6.6338**, and if you desaturate by 10%, it is **20.7559, 38.6161, 9.4008**.

Distribution



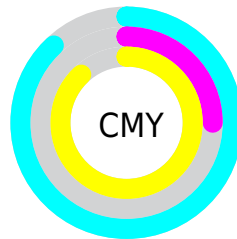
- Red (12%)
- Green (75%)
- Blue (12%)



- Red (12%)
- Yellow (75%)
- Blue (75%)



- Cyan (84%)
- Magenta (0%)
- Yellow (84%)
- Black (25%)





- Cyan (88%)
- Magenta (25%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6620, 38.0895, 7.6120 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 19.6620, 38.0895, 7.6120 by changing the saturation by 10% instead.


 19.6620, 38.0895,
7.6120


 19.6620, 38.0895,
7.6120


242.9480,
338.0037, 182.4757


 12.2564, 26.0522,
3.7635


 42.3581, 72.2453,
21.7277

 6.9920, 16.8627,
1.4965


 58.3792, 95.1325,
32.8320

 3.5034, 10.1366,
0.2153


 78.0030, 122.4052,
47.1919

 1.4252, 5.4896,
0.0000

 101.5947,
154.4477, 65.2261

 0.2741, 2.5373,
0.0000

 129.5197,
191.6444, 87.3530

 0.0000, 0.8953,
0.0000

 162.1433,

 0.0000, 0.0000,

234.3797, 113.9912

0.0000

199.8310,
283.0380, 145.5593

■ 19.6620, 38.0895,
7.6120

■ 19.6620, 38.0895,
7.6120

■ 19.0644, 37.8036,
6.6338

■ 20.7559, 38.6161,
9.4008

■ 18.8505, 37.7008,
6.2838

■ 22.4200, 39.4154,
12.1229

■ 24.7186, 40.5196,
15.8829

■ 27.7070, 41.9550,
20.7709

■ 31.4340, 43.7453,
26.8672

■ 35.9445, 45.9120,
34.2448

■ 41.2795, 48.4746,
42.9709

■ 47.4772, 51.4517,
53.1081

■ 54.5734, 54.8604,
64.7150

Harmonies

Analogous

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



28.8289, 38.0895, 2.5753



19.6620, 38.0895, 7.6120



15.5318, 38.0895, 26.0386

Triad

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



19.6620, 38.0895, 7.6120



30.3114, 38.0895, 174.5255



69.2935, 38.0895, 22.6355

Complementary

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



19.6620, 38.0895, 7.6120



31.7429, 15.9924, 51.2799

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.



69.9968, 38.0895, 62.0470



19.6620, 38.0895, 7.6120



44.7380, 38.0895, 171.1535

Square

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



19.6620, 38.0895, 7.6120



20.5005, 38.0895, 129.1470



60.1073, 38.0895, 121.7086



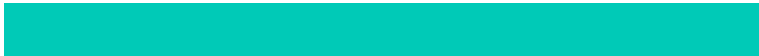
58.3824, 38.0895, 6.5199

Rectangle

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



19.6620, 38.0895, 7.6120



15.2347, 38.0895, 51.5380



60.1073, 38.0895, 121.7086



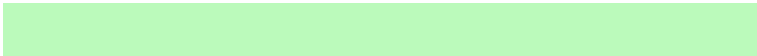
70.8155, 38.0895, 32.8119

Sweetspot

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



19.6629, 38.0911, 7.6129



63.7678, 82.5338, 59.8242



40.8368, 49.0067, 8.6032



13.0408, 17.3990, 11.7882



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.



19.6629, 38.0911, 7.6129



34.1546, 68.3091, 11.3852



22.3124, 39.1509, 21.5650



9.9445, 11.2588, 10.7110



12.6838, 25.3676, 4.2282



0.5480, 1.0961, 0.1827

Inverse Universe

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



31.7429, 15.9924, 51.2799



56.6260, 27.2005, 92.6147



25.1260, 13.3456, 16.4358



10.4973, 10.2475, 12.7094



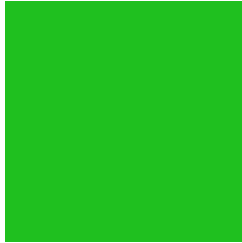
21.0289, 10.1013, 34.3940



0.9086, 0.4365, 1.4861

Previews

White Background



This preview shows how the XYZ color 19.6620, 38.0895, 7.6120 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 19.6620, 38.0895, 7.6120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

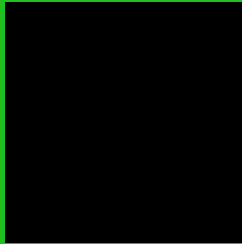
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.6620, 38.0895, 7.6120

Background



This preview shows how black text looks on a background with the XYZ color 19.6620, 38.0895, 7.6120.



This preview shows how white text looks on a background with the XYZ color 19.6620, 38.0895,

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

19.6620, 38.0895, 7.6120

Protanopia

33.6174, 37.2864, 6.2358

Deuteranopia

37.9396, 37.1378, 8.3006



Tritanopia

29.4019, 37.9753, 56.2324

Trichromacy



Original Color

19.6620, 38.0895, 7.6120



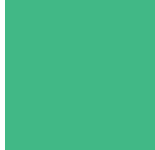
Protanomaly

24.5697, 35.4017, 6.5155



Deuteranomaly

25.7979, 34.3086, 7.6454



Tritanomaly

23.6235, 37.1260, 28.4752

Monochromacy



Original Color

19.6620, 38.0895, 7.6120



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.1091, 24.7922, 13.7812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6620, 38.0895, 7.6120 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(31, 192, 31)` looks like.

```
.text, #text, p{  
    color:rgb(31, 192, 31)  
}
```

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(31, 192, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 192, 31) }
```

Border

The CSS property to change the border of an element to XYZ 19.6620, 38.0895, 7.6120 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(31, 192, 31) }
```


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

```
.border{ border-color:rgb(31, 192, 31) }
```

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

Here you see how a box with a 4 pixel rgb(31, 192, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 192, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 192, 31);  
box-shadow:4px 4px 4px 4px rgb(31, 192,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6620, 38.0895, 7.6120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 192, 31) }
```

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

```
.background{ background-color: rgb(31, 192,  
31) }
```

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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