

Converting Colors

XYZ(19.8249, 38.7229, 7.9025)

Have a look what the booklet for
XYZ(19.8249, 38.7229, 7.9025)
contains.

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Color

**XYZ(19.8972, 38.8640,
7.8916)**

Conversions

Conversions Part 1

Format	Color
Hex	16C221
RGB	22, 194, 33
RGB Percent	9%, 76%, 13%
CMY	0.9137, 0.2392, 0.8706
CMYK	0.89, 0.00, 0.83, 0.24
HSL	124°, 80%, 42%
HSV	124°, 89%, 76%
XYZ	19.8972, 38.8640, 7.8916
YIQ	124.2180, -50.8310, -86.5350

Conversions

Conversions Part 2

Format	Color
RYB	22, 184, 194
Decimal	1491489
CIELab	68.65, -68.00, 62.57
CIELCh	69, 92.402, 137.382
Yxy	38.8640, 0.2985, 0.5831
Android (android.graphics.Color)	4279681569 (0xFF16C221)
YUV	124.2180, -44.9705, -89.6452
Hunter-Lab	62.3410, -52.1254, 36.1333

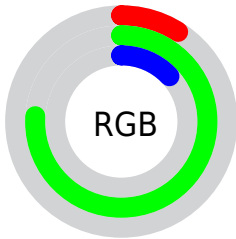
Details

The XYZ color **19.8972, 38.8640, 7.8916** is a dark color, and the websafe version is hex **33CC33**.

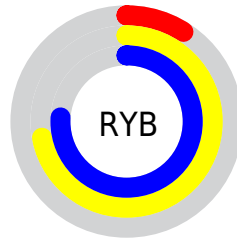
The color can be described as dark washed green. A complement of this color would be **31.0829, 15.4624, 46.1444**, and the grayscale version is **19.3897, 20.3994, 22.2150**.

A 20% lighter version of the original color is **42.7300, 73.4753, 22.2860**, and **9.2326, 18.4652, 3.0775** is the 20% darker color. If you saturate the color by 10%, you get **19.4103, 38.6360, 6.8808**, and if you desaturate by 10%, it is **20.8244, 39.3054, 9.6404**.

Distribution



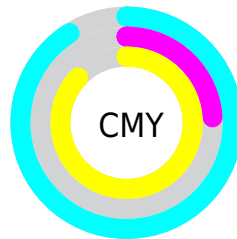
- Red (9%)
- Green (76%)
- Blue (13%)



- Red (9%)
- Yellow (72%)
- Blue (76%)



- Cyan (89%)
- Magenta (0%)
- Yellow (83%)
- Black (24%)





- Cyan (91%)
- Magenta (24%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8972, 38.8640, 7.8916 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 19.8972, 38.8640, 7.8916 by changing the saturation by 10% instead.


 19.8972, 38.8640,
7.8916


 19.8972, 38.8640,
7.8916


244.2022,
341.3119, 184.7820


 12.4282, 26.6539,
3.9389


 42.7500, 73.4305,
22.2883


 7.1103, 17.3135,
1.5919


 58.8645, 96.5558,
33.5694

 3.5781, 10.4583,
0.2850


 78.5916, 124.0882,
48.1303

 1.4663, 5.7038,
0.0000

 102.2965,
156.4122, 66.3897

 0.3028, 2.6658,
0.0000

 130.3447,
193.9122, 88.7660

 0.0000, 0.9599,
0.0000

 163.1015,

 0.0000, 0.0000,

236.9725, 115.6778

0.0000

200.9322,
285.9777, 147.5436

■ 19.8972, 38.8640,
7.8916

■ 19.8972, 38.8640,
7.8916

■ 19.4103, 38.6360,
6.8808

■ 20.8244, 39.3054,
9.6404

■ 19.3615, 38.6127,
6.7938

■ 22.2892, 40.0047,
12.2303

■ 24.3581, 40.9955,
15.7500

■ 27.0873, 42.3051,
20.2767

■ 30.5263, 43.9576,
25.8790

■ 34.7202, 45.9747,
32.6199

■ 39.7102, 48.3766,
40.5575

■ 45.5345, 51.1818,
49.7456

■ 52.2288, 54.4076,
60.2352

Harmonies

Analogous

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



29.1736, 38.8640, 2.6242



19.8972, 38.8640, 7.8916



15.7638, 38.8640, 27.0757

Triad

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



19.8972, 38.8640, 7.8916



31.1416, 38.8640, 179.1785



70.7144, 38.8640, 22.5609

Complementary

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



19.8972, 38.8640, 7.8916



31.0829, 15.4624, 46.1444

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.



71.6494, 38.8640, 62.4130



19.8972, 38.8640, 7.8916



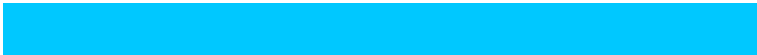
45.9730, 38.8640, 174.6906

Square

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



19.8972, 38.8640, 7.8916



21.0094, 38.8640, 133.2932



61.6778, 38.8640, 123.3971



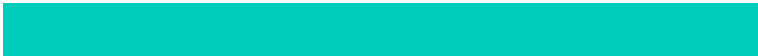
59.3852, 38.8640, 6.4478

Rectangle

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



19.8972, 38.8640, 7.8916



15.5128, 38.8640, 53.5056



61.6778, 38.8640, 123.3971



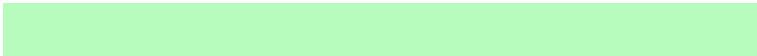
72.3440, 38.8640, 32.8069

Sweetspot

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



19.8981, 38.8656, 7.8925



63.9356, 83.7887, 60.7484



39.5425, 49.0077, 8.1344



13.3729, 18.0466, 12.2983



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.



19.8981, 38.8656, 7.8925



35.0466, 69.9417, 12.1492



22.8110, 40.0308, 23.2318



9.9700, 11.2690, 10.8453



12.7401, 25.3901, 4.5245



0.5597, 1.1007, 0.2439

Inverse Universe

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



31.0829, 15.4624, 46.1444



55.4914, 26.8529, 81.8406



24.8074, 12.9522, 13.0980



10.4686, 10.2360, 12.5580



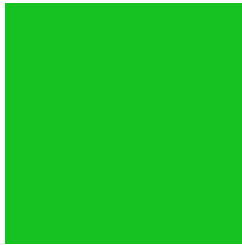
20.1624, 9.7547, 29.8307



0.8797, 0.4249, 1.3340

Previews

White Background



This preview shows how the XYZ color 19.8972, 38.8640, 7.8916 looks on a white background.

Color Contrast Check

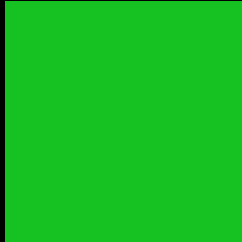
Large Text (above 18pt) WCAG AA × Fail

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 19.8972, 38.8640, 7.8916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

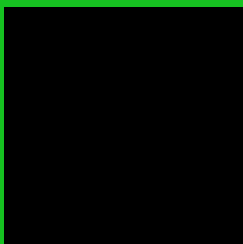
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

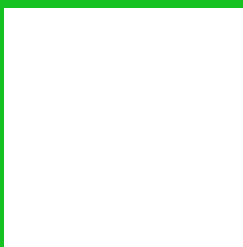
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8972, 38.8640, 7.8916

Background



This preview shows how black text looks on a background with the XYZ color 19.8972, 38.8640, 7.8916.



This preview shows how white text looks on a background with the XYZ color 19.8972, 38.8640,

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

19.8972, 38.8640, 7.8916

Protanopia

34.3052, 37.9074, 6.4285

Deuteranopia

38.8591, 38.1115, 8.5570



Tritanopia

29.9415, 38.8269, 57.5460

Trichromacy



Original Color

19.8972, 38.8640, 7.8916



Protanomaly

24.4873, 35.6465, 6.6885



Deuteranomaly

25.8518, 34.8907, 7.8547



Tritanomaly

23.9273, 37.8875, 29.3445

Monochromacy



Original Color

19.8972, 38.8640, 7.8916



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.5663, 24.2765, 13.7102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8972, 38.8640, 7.8916 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(22, 194, 33)` looks like.

```
.text, #text, p{  
    color:rgb(22, 194, 33)  
}
```

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(22, 194, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 194, 33) }
```

Border

The CSS property to change the border of an element to XYZ 19.8972, 38.8640, 7.8916 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(22, 194, 33) }
```


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

```
.border{ border-color:rgb(22, 194, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 194, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 194, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 194, 33);  
box-shadow:4px 4px 4px 4px rgb(22, 194,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8972, 38.8640, 7.8916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 194, 33) }
```

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

```
.background{ background-color: rgb(22, 194,  
33) }
```

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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