

Converting Colors

XYZ(19.8529, 38.0860, 8.1655)

Have a look what the booklet for
XYZ(19.8529, 38.0860, 8.1655)
contains.

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Color

**XYZ(19.8926, 38.1965,
8.1579)**

Conversions

Conversions Part 1

Format	Color
Hex	23C026
RGB	35, 192, 38
RGB Percent	14%, 75%, 15%
CMY	0.8627, 0.2470, 0.8510
CMYK	0.82, 0.00, 0.80, 0.25
HSL	121°, 69%, 45%
HSV	121°, 82%, 75%
XYZ	19.8926, 38.1965, 8.1579
YIQ	127.5010, -44.1380, -81.1780

Conversions

Conversions Part 2

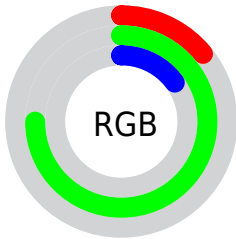
Format	Color
RYB	35, 189, 192
Decimal	2342950
CIELab	68.17, -65.92, 60.80
CIELCh	68, 89.676, 137.314
Yxy	38.1965, 0.3003, 0.5766
Android (android.graphics.Color)	4280533030 (0xFF23C026)
YUV	127.5010, -44.1240, -81.1234
Hunter-Lab	61.8033, -50.7021, 35.4362

Details

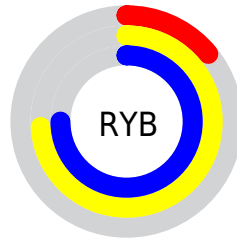
The XYZ color **19.8926, 38.1965, 8.1579** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **31.5251, 16.0830, 49.5853**, and the grayscale version is **20.5047, 21.5725, 23.4925**.

A 20% lighter version of the original color is **42.8525, 72.5952, 22.8201**, and **8.9457, 17.8913, 2.9819** is the 20% darker color. If you saturate the color by 10%, you get **19.1797, 37.8568, 6.9201**, and if you desaturate by 10%, it is **21.1170, 38.7844, 10.2231**.

Distribution



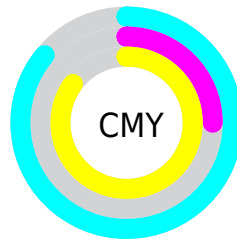
- Red (14%)
- Green (75%)
- Blue (15%)



- Red (14%)
- Yellow (74%)
- Blue (75%)



- Cyan (82%)
- Magenta (0%)
- Yellow (80%)
- Black (25%)





- Cyan (86%)
- Magenta (25%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8926, 38.1965, 8.1579 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 19.8926, 38.1965, 8.1579 by changing the saturation by 10% instead.


 19.8926, 38.1965,
8.1579


 19.8926, 38.1965,
8.1579


244.1778,
338.4622, 186.9459


 12.4248, 26.1352,
4.1069


 42.7424, 72.4092,
22.8187


 7.1079, 16.9248,
1.6842


 58.8550, 95.3295,
34.2656


 3.5766, 10.1809,
0.3499


 78.5801, 122.6382,
49.0148

 1.4655, 5.5191,
0.0000

 102.2828,
154.7197, 67.4850

 0.3022, 2.5549,
0.0000

 130.3286,
191.9585, 90.0947

 0.0000, 0.9041,
0.0000

 163.0828,

 0.0000, 0.0000,

234.7389, 117.2624

0.0000

200.9107,
283.4453, 149.4066

■ 19.8926, 38.1965,
8.1579

■ 19.8926, 38.1965,
8.1579

■ 19.1797, 37.8568,
6.9201

■ 21.1170, 38.7844,
10.2231


■ 18.8705, 37.7088,
6.3895


■ 22.9217, 39.6502,
13.2230


■ 25.3675, 40.8244,
17.2517


■ 28.5070, 42.3324,
22.3911

■ 32.3873, 44.1968,
28.7147

 37.0515, 46.4385,
36.2901

 42.5393, 49.0765,
45.1793

 48.8877, 52.1286,
55.4407

 56.1314, 55.6117,
67.1288

Harmonies

Analogous

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



28.8671, 38.1965, 2.8670



19.8926, 38.1965, 8.1579



15.8643, 38.1965, 26.8513

Triad

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



19.8926, 38.1965, 8.1579



30.7076, 38.1965, 171.2748



68.5496, 38.1965, 22.6040

Complementary

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



19.8926, 38.1965, 8.1579



31.5251, 16.0830, 49.5853

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.



69.4129, 38.1965, 60.9233



19.8926, 38.1965, 8.1579



44.9210, 38.1965, 167.1671

Square

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



19.8926, 38.1965, 8.1579



20.9400, 38.1965, 127.9123



59.9086, 38.1965, 118.8239



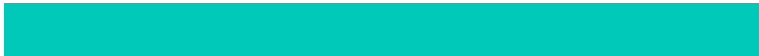
57.7871, 38.1965, 6.7598

Rectangle

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



19.8926, 38.1965, 8.1579



15.6133, 38.1965, 52.1984



59.9086, 38.1965, 118.8239



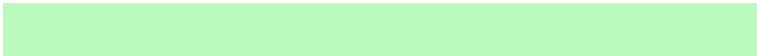
70.0900, 38.1965, 32.5252

Sweetspot

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



19.8935, 38.1981, 8.1588



63.8964, 82.5853, 60.5017



40.2361, 48.6905, 8.8677



13.0704, 17.4109, 11.9440



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.



19.8935, 38.1981, 8.1588



34.2702, 68.3626, 11.6673



22.7028, 39.3218, 22.9525



9.9521, 11.2619, 10.7510



12.7006, 25.3743, 4.3167



0.5515, 1.0974, 0.2010

Inverse Universe

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



31.5251, 16.0830, 49.5853



55.9564, 27.0195, 88.8210



25.2031, 13.5542, 16.2937



10.4887, 10.2441, 12.6641



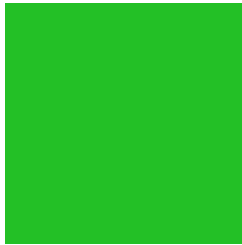
20.7624, 9.9947, 32.9907



0.8998, 0.4329, 1.4396

Previews

White Background



This preview shows how the XYZ color 19.8926, 38.1965, 8.1579 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 19.8926, 38.1965, 8.1579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

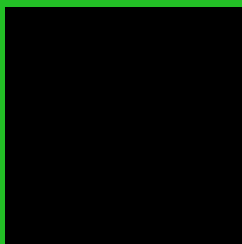
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.8926, 38.1965, 8.1579

Background



This preview shows how black text looks on a background with the XYZ color 19.8926, 38.1965, 8.1579.



This preview shows how white text looks on a background with the XYZ color 19.8926, 38.1965,

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

19.8926, 38.1965, 8.1579

Protanopia

33.7100, 37.3235, 6.7238

Deuteranopia

38.0317, 37.1746, 8.7854



Tritanopia

29.4921, 38.0217, 56.2366

Trichromacy



Original Color

19.8926, 38.1965, 8.1579



Protanomaly

24.8246, 35.5213, 7.0613



Deuteranomaly

26.2439, 34.5270, 8.1869



Tritanomaly

23.9706, 37.2804, 29.5994

Monochromacy



Original Color

19.8926, 38.1965, 8.1579



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

17.7483, 25.3391, 14.7820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8926, 38.1965, 8.1579 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(35, 192, 38)` looks like.

```
.text, #text, p{  
    color:rgb(35, 192, 38)  
}
```

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(35, 192, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 192, 38) }
```

Border

The CSS property to change the border of an element to XYZ 19.8926, 38.1965, 8.1579 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(35, 192, 38) }
```


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

```
.border{ border-color:rgb(35, 192, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 192, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 192, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 192, 38);  
box-shadow:4px 4px 4px 4px rgb(35, 192,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8926, 38.1965, 8.1579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 192, 38) }
```

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

```
.background{ background-color: rgb(35, 192,  
38) }
```

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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