

Converting Colors

XYZ(20.4482, 39.0734, 8.3626)

Have a look what the booklet for
XYZ(20.4482, 39.0734, 8.3626)
contains.

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Color

**XYZ(20.4947, 39.1614,
8.3982)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 27C227 |
| RGB | 39, 194, 39 |
| RGB Percent | 15%, 76%, 15% |
| CMY | 0.8471, 0.2392, 0.8470 |
| CMYK | 0.80, 0.00, 0.80, 0.24 |
| HSL | 120°, 67%, 46% |
| HSV | 120°, 80%, 76% |
| XYZ | 20.4947, 39.1614, 8.3982 |
| YIQ | 129.9850, -42.6250, -81.0650 |

Conversions

Conversions Part 2

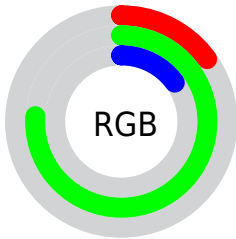
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 39, 194, 194 |
| Decimal | 2605607 |
| CIE Lab | 68.87, -65.98, 61.19 |
| CIE LCh | 69, 89.989, 137.159 |
| Yxy | 39.1614, 0.3012, 0.5754 |
| Android (android.graphics.Color) | 4280795687 (0xFF27C227) |
| YUV | 129.9850, -44.8556, -79.7938 |
| Hunter-Lab | 62.5791, -51.0545, 35.8485 |

Details

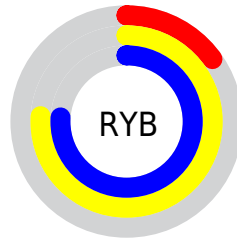
The XYZ color **20.4947, 39.1614, 8.3982** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **32.7118, 16.8157, 52.5585**, and the grayscale version is **21.3783, 22.4917, 24.4934**.

A 20% lighter version of the original color is **43.7781, 73.9946, 23.2843**, and **9.2326, 18.4652, 3.0775** is the 20% darker color. If you saturate the color by 10%, you get **19.6958, 38.7788, 7.0907**, and if you desaturate by 10%, it is **21.8350, 39.8064, 10.5900**.

Distribution



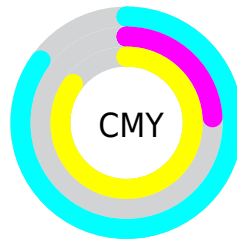
- Red (15%)
- Green (76%)
- Blue (15%)



- Red (15%)
- Yellow (76%)
- Blue (76%)



- Cyan (80%)
- Magenta (0%)
- Yellow (80%)
- Black (24%)





- Cyan (85%)
- Magenta (24%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4947, 39.1614, 8.3982 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 20.4947, 39.1614, 8.3982 by changing the saturation by 10% instead.


 20.4947, 39.1614,
8.3982


 20.4947, 39.1614,
8.3982


247.3636,
342.5762, 188.8725


 12.8655, 26.8853,
4.2594


 43.7427, 73.8848,
23.2944

 7.4124, 17.4871,
1.7687


 60.0922, 97.1009,
34.8888

 3.7699, 10.5824,
0.4072


 80.0792, 124.7325,
49.8056

 1.5728, 5.7868,
0.0000

 104.0690,
157.1640, 68.4631

 0.3746, 2.7159,
0.0000

 132.4270,
194.7797, 91.2801

 0.0000, 0.9853,
0.0000

 165.5185,

 0.0000, 0.0000,

237.9640, 118.6749

0.0000

203.7089,
287.1014, 151.0662

■ 20.4947, 39.1614,
8.3982

■ 20.4947, 39.1614,
8.3982

■ 19.6958, 38.7788,
7.0907

■ 21.8350, 39.8064,
10.5900

■ 19.2962, 38.5869,
6.4370


■ 23.7864, 40.7437,
13.7820


■ 19.2926, 38.5852,
6.4311


■ 26.4111, 42.0045,
18.0753


■ 29.7630, 43.6146,
23.5580

■ 33.8905, 45.5973,
30.3092

 38.8379, 47.9738,
38.4015

 44.6461, 50.7637,
47.9017

 51.3533, 53.9856,
58.8722

 58.9954, 57.6565,
71.3719

Harmonies

Analogous

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



29.6917, 39.1614, 2.9902



20.4947, 39.1614, 8.3982



16.3494, 39.1614, 27.4364

Triad

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



20.4947, 39.1614, 8.3982



31.4443, 39.1614, 174.5274



70.1212, 39.1614, 23.3872

Complementary

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



20.4947, 39.1614, 8.3982



32.7118, 16.8157, 52.5585

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.



70.9413, 39.1614, 62.6236



20.4947, 39.1614, 8.3982



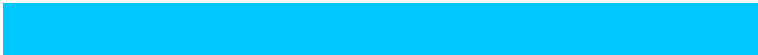
45.9281, 39.1614, 170.6320

Square

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



20.4947, 39.1614, 8.3982



21.4935, 39.1614, 130.2463



61.2149, 39.1614, 121.6218



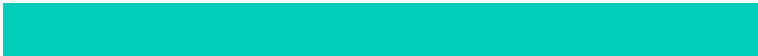
59.1987, 39.1614, 7.0580

Rectangle

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



20.4947, 39.1614, 8.3982



16.0777, 39.1614, 53.2143



61.2149, 39.1614, 121.6218



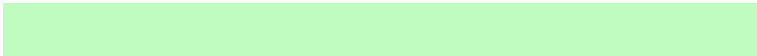
71.6708, 39.1614, 33.5686

Sweetspot

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



20.4956, 39.1630, 8.3991



66.1546, 84.8920, 62.6897



41.9078, 50.2014, 9.4005



13.7898, 18.2555, 12.5877



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.



20.4956, 39.1630, 8.3991



35.1337, 69.9911, 11.9482



23.3110, 40.2892, 23.2245



9.9445, 11.2588, 10.7110



12.6838, 25.3676, 4.2281



0.5480, 1.0961, 0.1827

Inverse Universe

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



32.7118, 16.8157, 52.5585



58.0580, 28.0549, 94.8157



26.1562, 14.1935, 18.0375



10.4973, 10.2475, 12.7094



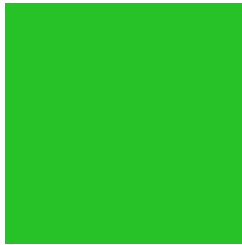
21.0290, 10.1014, 34.3946



0.9086, 0.4365, 1.4861

Previews

White Background



This preview shows how the XYZ color 20.4947, 39.1614, 8.3982 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 20.4947, 39.1614, 8.3982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

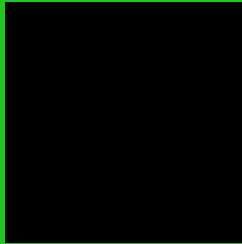
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.4947, 39.1614, 8.3982

Background



This preview shows how black text looks on a background with the XYZ color 20.4947, 39.1614, 8.3982.



This preview shows how white text looks on a background with the XYZ color 20.4947, 39.1614,

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

20.4947, 39.1614, 8.3982

Protanopia

34.5729, 38.3065, 6.9382

Deuteranopia

38.9531, 38.1491, 9.0519



Tritanopia

30.3987, 39.0626, 57.5674

Trichromacy



Original Color

20.4947, 39.1614, 8.3982



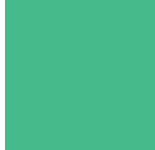
Protanomaly

25.6984, 36.5522, 7.2909



Deuteranomaly

27.1713, 35.5592, 8.4491



Tritanomaly

24.6721, 38.2549, 30.1283

Monochromacy



Original Color

20.4947, 39.1614, 8.3982



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

18.4787, 26.1869, 15.3899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4947, 39.1614, 8.3982 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(39, 194, 39)` looks like.

```
.text, #text, p{  
    color:rgb(39, 194, 39)  
}
```

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(39, 194, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 194, 39) }
```

Border

The CSS property to change the border of an element to XYZ 20.4947, 39.1614, 8.3982 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(39, 194, 39) }
```


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

```
.border{ border-color:rgb(39, 194, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 194, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 194, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 194, 39);  
box-shadow:4px 4px 4px 4px rgb(39, 194,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4947, 39.1614, 8.3982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 194, 39) }
```

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

```
.background{ background-color: rgb(39, 194,  
39) }
```

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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