

Converting Colors

XYZ(21.9250, 39.7132, 13.2399)

Have a look what the booklet for
XYZ(21.9250, 39.7132, 13.2399)
contains.

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Color

**XYZ(21.9780, 39.8216,
13.1846)**

Conversions

Conversions Part 1

Format	Color
Hex	34C24B
RGB	52, 194, 75
RGB Percent	20%, 76%, 29%
CMY	0.7961, 0.2392, 0.7059
CMYK	0.73, 0.00, 0.61, 0.24
HSL	130°, 58%, 48%
HSV	130°, 73%, 76%
XYZ	21.9780, 39.8216, 13.1846
YIQ	137.9760, -46.4330, -67.1130

Conversions

Conversions Part 2

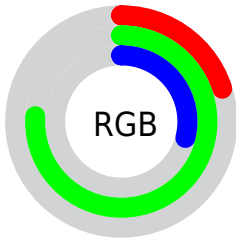
Format	Color
RYB	52, 174, 194
Decimal	3457611
CIELab	69.34, -60.96, 48.20
CIELCh	69, 77.712, 141.671
Yxy	39.8216, 0.2931, 0.5311
Android (android.graphics.Color)	4281647691 (0xFF34C24B)
YUV	137.9760, -31.0472, -75.4010
Hunter-Lab	63.1044, -48.2646, 31.7854

Details

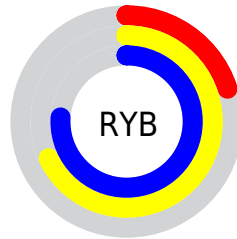
The XYZ color **21.9780, 39.8216, 13.1846** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **30.8280, 16.8664, 40.1600**, and the grayscale version is **24.2768, 25.5410, 27.8142**.

A 20% lighter version of the original color is **46.3144, 75.1013, 32.4770**, and **9.3502, 18.5123, 3.6965** is the 20% darker color. If you saturate the color by 10%, you get **20.6899, 39.2150, 10.5820**, and if you desaturate by 10%, it is **23.8203, 40.6998, 16.5572**.

Distribution



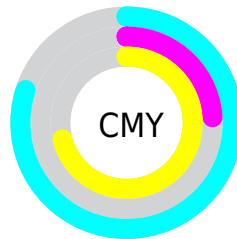
- Red (20%)
- Green (76%)
- Blue (29%)



- Red (20%)
- Yellow (68%)
- Blue (76%)



- Cyan (73%)
- Magenta (0%)
- Yellow (61%)
- Black (24%)



- Cyan (80%)
- Magenta (24%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9780, 39.8216, 13.1846 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 21.9780, 39.8216, 13.1846 by changing the saturation by 10% instead.

■ 21.9780, 39.8216,
13.1846

■ 21.9780, 39.8216,
13.1846

255.0659,
345.3711, 223.3466

■ 13.9572, 27.3995,
7.4236

■ 46.1888, 74.8918,
32.3311

■ 8.1724, 17.8735,
3.6459

■ 63.1095, 98.3086,
46.5536

■ 4.2582, 10.8592,
1.4332

■ 83.7276, 126.1592,
64.4337

■ 1.8492, 5.9722,
0.1674

■ 108.4084,
158.8278, 86.3899

■ 0.5471, 2.8282,
0.0000

■ 137.5172,
196.6989, 112.8407

■ 0.0000, 1.0427,
0.0000

171.4195,

■ 0.0000, 0.0000,

240.1569, 144.2048

0.0000

210.4806,
289.5861, 180.9005

■ 21.9780, 39.8216,
13.1846

■ 21.9780, 39.8216,
13.1846

■ 20.6899, 39.2150,
10.5820

■ 23.8203, 40.6998,
16.5572

■ 19.8882, 38.8429,
8.6857

■ 26.2688, 41.8717,
20.7512

■ 19.5455, 38.6862,
7.7629

■ 29.3723, 43.3627,
25.8168

■ 33.1740, 45.1941,
31.7994

■ 37.7133, 47.3853,
38.7413

■ 43.0267, 49.9541,
46.6821

■ 49.1481, 52.9175,
55.6592

■ 56.1096, 56.2911,
65.7079

■ 63.9413, 60.0897,
76.8621

Harmonies

Analogous

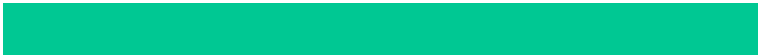
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.6643, 39.8216, 5.7240



21.9780, 39.8216, 13.1846



18.7300, 39.8216, 34.1489

Triad

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



21.9780, 39.8216, 13.1846



34.4795, 39.8216, 153.0430



64.8047, 39.8216, 22.6163

Complementary

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



21.9780, 39.8216, 13.1846



30.8280, 16.8664, 40.1600

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.



66.8910, 39.8216, 54.0919



21.9780, 39.8216, 13.1846



47.4162, 39.8216, 143.6651

Square

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



21.9780, 39.8216, 13.1846



24.8364, 39.8216, 122.6620



59.9574, 39.8216, 101.4442



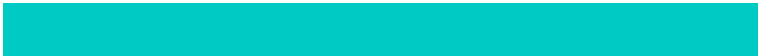
54.7603, 39.8216, 8.7114

Rectangle

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



21.9780, 39.8216, 13.1846



18.8824, 39.8216, 58.7933



59.9574, 39.8216, 101.4442



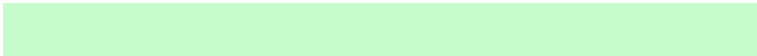
66.5366, 39.8216, 30.8939

Sweetspot

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



21.9790, 39.8232, 13.1855



69.0838, 86.2138, 71.3332



37.0804, 47.6835, 10.4986



14.5929, 18.6211, 14.8107



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.



21.9790, 39.8232, 13.1855



36.4875, 70.5809, 16.8978



25.7661, 41.3381, 33.1282



10.0095, 11.2848, 11.0534



12.8705, 25.4423, 5.2111



0.5774, 1.1078, 0.3376

Inverse Universe

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



30.8280, 16.8664, 40.1600



53.2348, 26.7050, 67.6306



25.8607, 14.8794, 14.0022



10.4250, 10.2186, 12.3283



18.9745, 9.2796, 23.5757



0.8390, 0.4086, 1.1195

Previews

White Background



This preview shows how the XYZ color 21.9780, 39.8216, 13.1846 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 21.9780, 39.8216, 13.1846 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

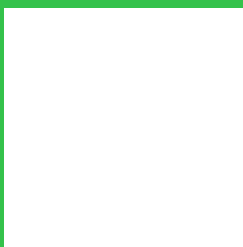
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9780, 39.8216, 13.1846

Background



This preview shows how black text looks on a background with the XYZ color 21.9780, 39.8216, 13.1846.



This preview shows how white text looks on a background with the XYZ color 21.9780, 39.8216,

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

21.9780, 39.8216, 13.1846

Protanopia

35.5093, 38.9753, 10.9616

Deuteranopia

39.6641, 38.9193, 14.0160



Tritanopia

31.1204, 39.7113, 58.8481

Trichromacy



Original Color

21.9780, 39.8216, 13.1846



Protanomaly

27.3089, 37.2898, 11.5527



Deuteranomaly

28.8154, 36.5832, 13.3271



Tritanomaly

26.3692, 38.9955, 36.2741

Monochromacy



Original Color

21.9780, 39.8216, 13.1846



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.3848, 28.8173, 20.6549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9780, 39.8216, 13.1846 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(52, 194, 75)` looks like.

```
.text, #text, p{  
    color:rgb(52, 194, 75)  
}
```

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(52, 194, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 194, 75) }
```

Border

The CSS property to change the border of an element to XYZ 21.9780, 39.8216, 13.1846 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(52, 194, 75) }
```


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

```
.border{ border-color:rgb(52, 194, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 194, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 194, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 194, 75);  
box-shadow:4px 4px 4px 4px rgb(52, 194,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9780, 39.8216, 13.1846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 194, 75) }
```

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

```
.background{ background-color: rgb(52, 194,  
75) }
```

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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