

Converting Colors

XYZ(38.9961, 64.1482, 51.7731)

Have a look what the booklet for
XYZ(38.9961, 64.1482, 51.7731)
contains.

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Color

**XYZ(39.0193, 64.1548,
51.9216)**

Conversions

Conversions Part 1

Format	Color
Hex	26EDB1
RGB	38, 237, 177
RGB Percent	15%, 93%, 69%
CMY	0.8509, 0.0706, 0.3059
CMYK	0.84, 0.00, 0.25, 0.07
HSL	162°, 85%, 54%
HSV	162°, 84%, 93%
XYZ	39.0193, 64.1548, 51.9216
YIQ	170.6590, -99.3440, -60.8480

Conversions

Conversions Part 2

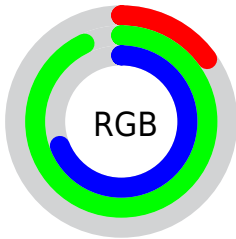
Format	Color
RYB	38, 155, 237
Decimal	2551217
CIELab	84.05, -59.63, 16.24
CIELCh	84, 61.800, 164.763
Yxy	64.1548, 0.2516, 0.4136
Android (android.graphics.Color)	4280741297 (0xFF26EDB1)
YUV	170.6590, 3.1261, -116.3419
Hunter-Lab	80.0967, -53.2125, 17.6337

Details

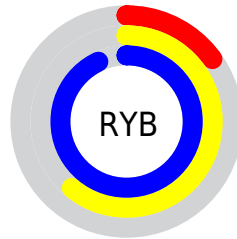
The XYZ color **39.0193, 64.1548, 51.9216** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **37.8249, 20.2741, 13.4777**, and the grayscale version is **38.5604, 40.5686, 44.1792**.

A 20% lighter version of the original color is **58.3531, 81.4681, 89.7402**, and **19.9593, 34.0978, 24.5983** is the 20% darker color. If you saturate the color by 10%, you get **37.7133, 63.5633, 48.2401**, and if you desaturate by 10%, it is **40.9211, 65.0524, 55.8286**.

Distribution



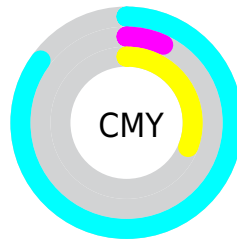
- Red (15%)
- Green (93%)
- Blue (69%)



- Red (15%)
- Yellow (61%)
- Blue (93%)



- Cyan (84%)
- Magenta (0%)
- Yellow (25%)
- Black (7%)



- Cyan (85%)
- Magenta (7%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0193, 64.1548, 51.9216 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 39.0193, 64.1548, 51.9216 by changing the saturation by 10% instead.

39.0193, 64.1548,
51.9216

39.0193, 64.1548,
51.9216

333.1783,
439.7484, 411.0822

26.9555, 46.7761,
36.5608

72.9617, 110.8338,
94.4410

17.6762, 32.8587,
24.5745

95.5710, 140.9029,
122.4367

10.8161, 22.0182,
15.5442

122.4262,
175.9709, 155.4810

6.0097, 13.8703,
9.0513

153.8927,
216.4223, 193.9926

2.8917, 8.0305,
4.6774

190.3358,
262.6413, 238.3900

1.0967, 4.1145,
2.0039

232.1209,

0.0224, 1.7378,

315.0124, 289.0917

0.5576

279.6132,
373.9200, 346.5163

■ 0.0000, 0.4480,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.0193, 64.1548,
51.9216

■ 39.0193, 64.1548,
51.9216

■ 37.7133, 63.5633,
48.2401


■ 40.9211, 65.0524,
55.8286


■ 37.1263, 63.3070,
46.1190


■ 43.5054, 66.2958,
59.9638


■ 46.8496, 67.9265,
64.3350


■ 51.0189, 69.9780,
68.9481

 56.0712, 72.4803,
73.8084

 62.0594, 75.4603,
78.9211

 69.0318, 78.9431,
84.2910

 77.0335, 82.9518,
89.9229

 86.1066, 87.5080,
95.8211

Harmonies

Analogous

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



44.3170, 64.1548, 28.9561



39.0193, 64.1548, 51.9216



38.9777, 64.1548, 90.7857

Triad

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



39.0193, 64.1548, 51.9216



67.9046, 64.1548, 170.5118



81.5492, 64.1548, 29.2007

Complementary

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



39.0193, 64.1548, 51.9216



37.8249, 20.2741, 13.4777

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.



90.0027, 64.1548, 52.4150



39.0193, 64.1548, 51.9216



81.3634, 64.1548, 137.8726

Square

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



39.0193, 64.1548, 51.9216



54.3437, 64.1548, 170.2208



89.9300, 64.1548, 91.5015



68.1297, 64.1548, 19.5688

Rectangle

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



39.0193, 64.1548, 51.9216



41.8766, 64.1548, 122.0038



89.9300, 64.1548, 91.5015



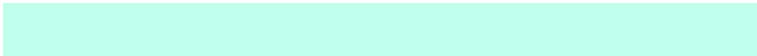
85.1488, 64.1548, 35.1939

Sweetspot

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



39.0210, 64.1573, 51.9231



72.4168, 88.6720, 92.4864



36.0049, 63.4788, 12.1895



14.9484, 18.7046, 19.3353



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.



39.0210, 64.1573, 51.9231



43.8071, 74.7388, 54.2952



36.8616, 48.0775, 87.4609



15.3130, 17.0400, 18.3310



20.3296, 34.5863, 25.4986



1.6386, 2.7328, 2.2248

Inverse Universe

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



37.8249, 20.2741, 13.4777



42.5756, 21.7943, 8.9633



37.7581, 23.1087, 4.3049



15.2524, 15.1288, 16.6144



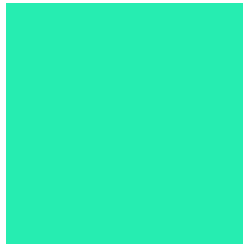
19.7476, 10.1017, 4.4723



1.5919, 0.8097, 0.5684

Previews

White Background



This preview shows how the XYZ color 39.0193, 64.1548, 51.9216 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 39.0193, 64.1548, 51.9216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

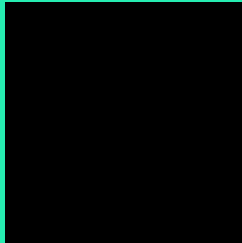
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

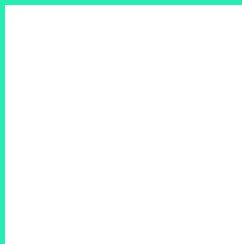
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.0193, 64.1548, 51.9216

Background



This preview shows how black text looks on a background with the XYZ color 39.0193, 64.1548, 51.9216.

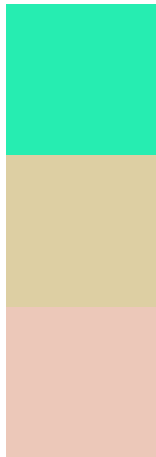


This preview shows how white text looks on a background with the XYZ color 39.0193, 64.1548,

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

39.0193, 64.1548, 51.9216

Protanopia

58.7425, 62.6421, 43.6454

Deuteranopia

64.0033, 62.6442, 54.6171



Tritanopia

47.9452, 63.9796, 97.0111

Trichromacy



Original Color

39.0193, 64.1548, 51.9216



Protanomaly

45.4657, 59.8400, 46.1998



Deuteranomaly

47.5476, 58.8584, 53.1108



Tritanomaly

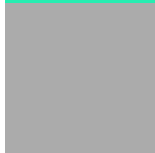
43.9418, 63.5656, 78.3600

Monochromacy



Original Color

39.0193, 64.1548, 51.9216



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.2263, 46.2583, 46.6073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0193, 64.1548, 51.9216 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(38, 237, 177)` looks like.

```
.text, #text, p{  
  color:rgb(38, 237, 177)  
}
```

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(38, 237, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 237, 177) }
```

Border

The CSS property to change the border of an element to XYZ 39.0193, 64.1548, 51.9216 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(38, 237, 177) }
```


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

```
.border{ border-color:rgb(38, 237, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 237, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 237, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 237, 177);  
box-shadow:4px 4px 4px 4px rgb(38, 237,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0193, 64.1548, 51.9216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 237, 177) }
```

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

```
.background{ background-color: rgb(38, 237,  
177) }
```

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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