

Converting Colors

XYZ(38.1000, 64.0269, 39.1697)

Have a look what the booklet for
XYZ(38.1000, 64.0269, 39.1697)
contains.

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Color

**XYZ(38.0360, 63.9286,
39.1889)**

Conversions

Conversions Part 1

Format	Color
Hex	42ED96
RGB	66, 237, 150
RGB Percent	26%, 93%, 59%
CMY	0.7412, 0.0706, 0.4118
CMYK	0.72, 0.00, 0.37, 0.07
HSL	149°, 83%, 59%
HSV	149°, 72%, 93%
XYZ	38.0360, 63.9286, 39.1889
YIQ	175.9530, -73.9890, -63.3090

Conversions

Conversions Part 2

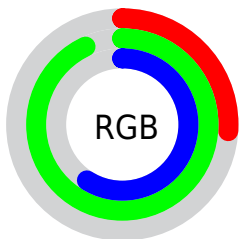
Format	Color
RYB	66, 181, 237
Decimal	4386198
CIELab	83.93, -62.27, 30.03
CIELCh	84, 69.129, 154.256
Yxy	63.9286, 0.2695, 0.4529
Android (android.graphics.Color)	4282576278 (0xFF42ED96)
YUV	175.9530, -12.7948, -96.4288
Hunter-Lab	79.9554, -55.0067, 26.9087

Details

The XYZ color **38.0360, 63.9286, 39.1889** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **42.6252, 24.2023, 32.5647**, and the grayscale version is **41.3362, 43.4889, 47.3594**.

A 20% lighter version of the original color is **56.7711, 81.0787, 70.4152**, and **18.5259, 33.5244, 17.0497** is the 20% darker color. If you saturate the color by 10%, you get **35.8361, 62.9027, 34.2762**, and if you desaturate by 10%, it is **41.0002, 65.3404, 44.6618**.

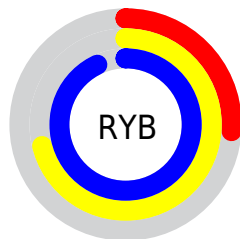
Distribution



Red (26%)

Green (93%)

Blue (59%)



Red (26%)

Yellow (71%)

Blue (93%)

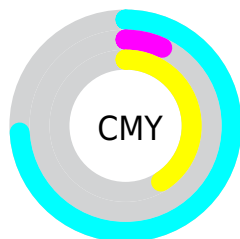


Cyan (72%)

Magenta (0%)

Yellow (37%)

Black (7%)



Cyan (74%)


Magenta (7%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0360, 63.9286, 39.1889 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 38.0360, 63.9286, 39.1889 by changing the saturation by 10% instead.


 38.0360, 63.9286,
39.1889


 38.0360, 63.9286,
39.1889


329.0526,
438.9318, 358.1429


 26.1880, 46.5928,
26.5978


 71.4669, 110.5081,
75.1503


 17.0977, 32.7139,
17.0416


 93.7804, 140.5206,
99.3577

 10.3999, 21.9074,
10.1019


 120.3131,
175.5276, 128.2742

 5.7292, 13.7888,
5.3601

 151.4305,
215.9133, 162.3184

 2.7202, 7.9740,
2.3976

187.4977,
262.0621, 201.9088

 1.0076, 4.0783,
0.7852

228.8802,

 0.0000, 1.7175,

314.3586, 247.4640

0.0000

275.9434,
373.1870, 299.4025

■ 0.0000, 0.4349,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.0360, 63.9286,
39.1889

■ 38.0360, 63.9286,
39.1889

■ 35.8361, 62.9027,
34.2762

■ 41.0002, 65.3404,
44.6618


■ 34.3048, 62.2086,
29.8994


■ 44.7993, 67.1690,
50.7091


■ 33.4622, 61.8414,
26.8244


■ 49.5011, 69.4507,
57.3498


■ 55.1646, 72.2158,
64.6004

 61.8437, 75.4916,
72.4770

 69.5882, 79.3035,
80.9948

 78.4445, 83.6752,
90.1683

 88.2321, 88.5134,
100.0015

 89.5753, 89.0507,
107.0751

Harmonies

Analogous

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



45.7370, 63.9286, 20.7827



38.0360, 63.9286, 39.1889



36.0074, 63.9286, 76.0132

Triad

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



38.0360, 63.9286, 39.1889



62.9596, 63.9286, 191.0555



88.2925, 63.9286, 32.2940

Complementary

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



38.0360, 63.9286, 39.1889



42.6252, 24.2023, 32.5647

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.



94.8562, 63.9286, 63.5719



38.0360, 63.9286, 39.1889



78.7629, 63.9286, 164.3644

Square

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



38.0360, 63.9286, 39.1889



48.9203, 63.9286, 175.6403



91.1077, 63.9286, 112.7103



74.3757, 63.9286, 18.1266

Rectangle

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



38.0360, 63.9286, 39.1889



37.8017, 63.9286, 110.0146



91.1077, 63.9286, 112.7103



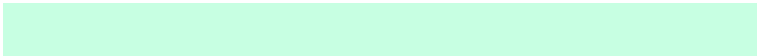
91.5287, 63.9286, 40.5480

Sweetspot

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



38.0377, 63.9312, 39.1904



73.0770, 89.1646, 85.6398



44.6628, 67.8689, 15.9011



15.1553, 18.8461, 17.7723



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.



38.0377, 63.9312, 39.1904



41.2840, 73.8026, 37.7104



47.4059, 67.6785, 88.5226



15.1767, 16.9855, 17.6136



18.3345, 33.7883, 14.9923



1.4882, 2.6726, 1.4327

Inverse Universe

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



42.6252, 24.2023, 32.5647



46.9782, 24.4321, 29.4436



37.9446, 22.3301, 7.9169



15.3853, 15.1820, 17.3142



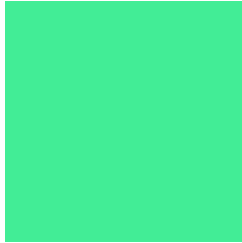
21.0046, 10.6045, 11.0915



1.6980, 0.8521, 1.1268

Previews

White Background



This preview shows how the XYZ color 38.0360, 63.9286, 39.1889 looks on a white background.

Color Contrast Check

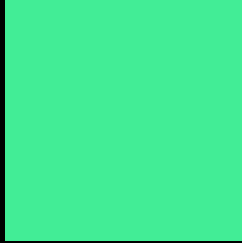
Large Text (above 18pt) WCAG AA × Fail

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 38.0360, 63.9286, 39.1889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

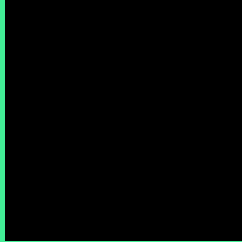
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0360, 63.9286, 39.1889

Background



This preview shows how black text looks on a background with the XYZ color 38.0360, 63.9286, 39.1889.

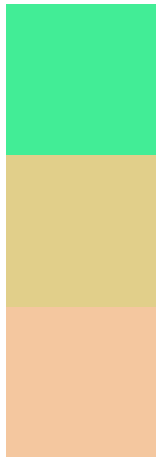


This preview shows how white text looks on a background with the XYZ color 38.0360, 63.9286,

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

38.0360, 63.9286, 39.1889

Protanopia

57.9516, 62.4682, 33.0479

Deuteranopia

63.9897, 62.5831, 41.5080



Tritanopia

49.2344, 63.8674, 95.3207

Trichromacy



Original Color

38.0360, 63.9286, 39.1889



Protanomaly

45.8902, 60.3113, 34.8138



Deuteranomaly

48.3854, 59.5725, 40.4010



Tritanomaly

44.1461, 63.4204, 70.8874

Monochromacy



Original Color

38.0360, 63.9286, 39.1889



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

37.3225, 48.4124, 43.9366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0360, 63.9286, 39.1889 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(66, 237, 150)` looks like.

```
.text, #text, p{  
    color:rgb(66, 237, 150)  
}
```

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(66, 237, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 237, 150) }
```

Border

The CSS property to change the border of an element to XYZ 38.0360, 63.9286, 39.1889 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(66, 237, 150) }
```


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

```
.border{ border-color:rgb(66, 237, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 237, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 237, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 237, 150);  
box-shadow:4px 4px 4px 4px rgb(66, 237,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0360, 63.9286, 39.1889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 237, 150) }
```

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

```
.background{ background-color: rgb(66, 237,  
150) }
```

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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