

Converting Colors

XYZ(39.2732, 65.5819, 36.8928)

Have a look what the booklet for
XYZ(39.2732, 65.5819, 36.8928)
contains.

XYZ(39.2088, 65.4521, 36.9526)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.2088, 65.4521,
36.9526)**

Conversions

Conversions Part 1

Format	Color
Hex	50EF90
RGB	80, 239, 144
RGB Percent	31%, 94%, 56%
CMY	0.6863, 0.0627, 0.4353
CMYK	0.67, 0.00, 0.40, 0.06
HSL	144°, 83%, 63%
HSV	144°, 67%, 94%
XYZ	39.2088, 65.4521, 36.9526
YIQ	180.6290, -64.2690, -63.2530

Conversions

Conversions Part 2

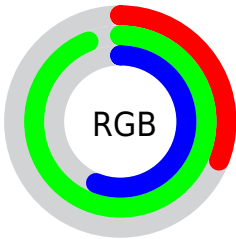
Format	Color
RYB	80, 193, 239
Decimal	5304208
CIELab	84.72, -61.91, 34.14
CIElCh	85, 70.704, 151.125
Yxy	65.4521, 0.2769, 0.4622
Android (android.graphics.Color)	4283494288 (0xFF50EF90)
YUV	180.6290, -18.0581, -88.2516
Hunter-Lab	80.9025, -55.0706, 29.5507

Details

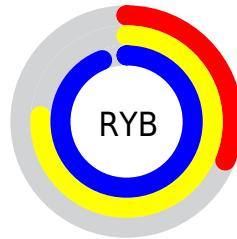
The XYZ color **39.2088, 65.4521, 36.9526** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **46.2051, 27.1845, 43.3713**, and the grayscale version is **43.8413, 46.1245, 50.2295**.

A 20% lighter version of the original color is **57.7459, 81.6633, 66.7519**, and **18.6597, 34.2286, 15.7485** is the 20% darker color. If you saturate the color by 10%, you get **36.5150, 64.1834, 31.4857**, and if you desaturate by 10%, it is **42.7613, 67.1511, 43.1833**.

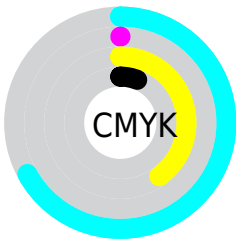
Distribution



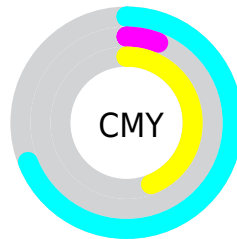
- Red (31%)
- Green (94%)
- Blue (56%)



- Red (31%)
- Yellow (76%)
- Blue (94%)



- Cyan (67%)
- Magenta (0%)
- Yellow (40%)
- Black (6%)




- Cyan (69%)
- Magenta (6%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2088, 65.4521, 36.9526 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 39.2088, 65.4521, 36.9526 by changing the saturation by 10% instead.


 39.2088, 65.4521,
36.9526


 39.2088, 65.4521,
36.9526


333.9693,
444.4148, 348.2678


 27.1037, 47.8278,
24.8753


 73.2492, 112.6996,
71.6854


 17.7881, 33.6905,
15.7660


 95.9152, 143.0915,
95.1780

 10.8967, 22.6559,
9.2062


 122.8322,
178.5081, 123.3127

 6.0642, 14.3397,
4.7772

 154.3655,
219.3338, 156.5081

 2.9252, 8.3573,
2.0607

190.8805,
265.9529, 195.1828

 1.1143, 4.3244,
0.5922

232.7426,

 0.0371, 1.8566,

318.7498, 239.7553

0.0000

280.3170,
378.1090, 290.6441

■ 0.0000, 0.5221,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.2088, 65.4521,
36.9526

■ 39.2088, 65.4521,
36.9526

■ 36.5150, 64.1834,
31.4857

■ 42.7613, 67.1511,
43.1833

■ 34.5897, 63.2938,
26.7473


■ 47.2409, 69.3097,
50.2022


■ 33.3286, 62.7318,
22.7055


■ 52.7141, 71.9635,
58.0378


■ 32.9884, 62.5837,
21.4564

■ 59.2400, 75.1424,
66.7162

 66.8728, 78.8738,
76.2619

 75.6627, 83.1833,
86.6985

 85.6570, 88.0947,
98.0488

 90.1577, 90.2155,
107.2692

Harmonies

Analogous

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



47.7839, 65.4521, 19.7025



39.2088, 65.4521, 36.9526



36.5001, 65.4521, 72.9892

Triad

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



39.2088, 65.4521, 36.9526



62.8090, 65.4521, 198.5405



92.0269, 65.4521, 35.0745

Complementary

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



39.2088, 65.4521, 36.9526



46.2051, 27.1845, 43.3713

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.



97.8177, 65.4521, 69.5705



39.2088, 65.4521, 36.9526



79.2821, 65.4521, 174.7782

Square

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



39.2088, 65.4521, 36.9526



48.6562, 65.4521, 177.9052



92.8039, 65.4521, 122.1107



78.0732, 65.4521, 18.9860

Rectangle

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



39.2088, 65.4521, 36.9526



37.9463, 65.4521, 107.4694



92.8039, 65.4521, 122.1107



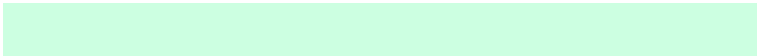
95.0892, 65.4521, 44.2710

Sweetspot

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



39.2105, 65.4548, 36.9541



74.1881, 89.7679, 84.3140



50.0857, 71.4754, 18.7463



15.3452, 18.9529, 17.3788



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.



39.2105, 65.4548, 36.9541



41.3667, 73.9204, 34.3189



47.5095, 68.7744, 80.6564



15.8295, 17.7618, 18.1252



18.2902, 34.6081, 12.1772



1.5695, 2.8982, 1.2655

Inverse Universe

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



46.2051, 27.1845, 43.3713



49.9558, 26.6404, 41.9872



40.5737, 24.9319, 13.7167



16.1693, 15.9174, 18.4476



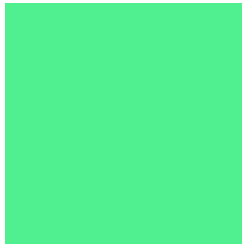
22.4696, 11.2603, 15.6551



1.9183, 0.9564, 1.5607

Previews

White Background



This preview shows how the XYZ color 39.2088, 65.4521, 36.9526 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 39.2088, 65.4521, 36.9526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

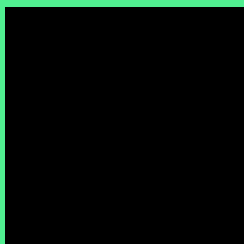
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.2088, 65.4521, 36.9526

Background



This preview shows how black text looks on a background with the XYZ color 39.2088, 65.4521, 36.9526.

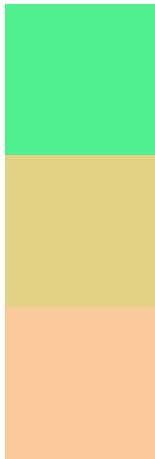


This preview shows how white text looks on a background with the XYZ color 39.2088, 65.4521,

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

39.2088, 65.4521, 36.9526

Protanopia

59.2064, 64.2531, 31.1114

Deuteranopia

65.3478, 64.0297, 39.0517



Tritanopia

50.8899, 65.1081, 96.2711

Trichromacy



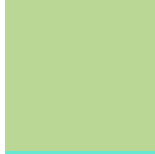
Original Color

39.2088, 65.4521, 36.9526



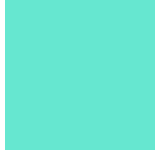
Protanomaly

47.7559, 62.4891, 32.8372



Deuteranomaly

50.2990, 61.3677, 38.0483



Tritanomaly

45.4406, 64.5307, 69.7352

Monochromacy



Original Color

39.2088, 65.4521, 36.9526



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

39.6900, 50.9975, 44.7974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2088, 65.4521, 36.9526 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(80, 239, 144)` looks like.

```
.text, #text, p{  
    color:rgb(80, 239, 144)  
}
```

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(80, 239, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 239, 144) }
```

Border

The CSS property to change the border of an element to XYZ 39.2088, 65.4521, 36.9526 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(80, 239, 144) }
```


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

```
.border{ border-color:rgb(80, 239, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 239, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 239, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 239, 144);  
box-shadow:4px 4px 4px 4px rgb(80, 239,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2088, 65.4521, 36.9526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 239, 144) }
```

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

```
.background{ background-color: rgb(80, 239,  
144) }
```

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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