

Converting Colors

XYZ(38.8746, 66.6206, 36.0095)

Have a look what the booklet for
XYZ(38.8746, 66.6206, 36.0095)
contains.

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Color

**XYZ(38.8746, 66.6206,
36.0095)**

Conversions

Conversions Part 1

Format	Color
Hex	43F28D
RGB	67, 242, 141
RGB Percent	26%, 95%, 55%
CMY	0.7372, 0.0510, 0.4470
CMYK	0.72, 0.00, 0.42, 0.05
HSL	145°, 87%, 61%
HSV	145°, 72%, 95%
XYZ	38.8746, 66.6206, 36.0095
YIQ	178.1610, -71.8790, -68.5110

Conversions

Conversions Part 2

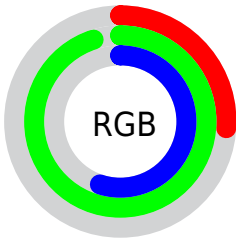
Format	Color
RYB	67, 190, 242
Decimal	4453005
CIELab	85.31, -65.54, 36.37
CIELCh	85, 74.956, 150.976
Yxy	66.6206, 0.2747, 0.4708
Android (android.graphics.Color)	4282643085 (0xFF43F28D)
YUV	178.1610, -18.3204, -97.4882
Hunter-Lab	81.6214, -57.8217, 30.9776

Details

The XYZ color **38.8746, 66.6206, 36.0095** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **45.6951, 25.7201, 39.6044**, and the grayscale version is **42.5250, 44.7396, 48.7214**.

A 20% lighter version of the original color is **56.0403, 80.8239, 64.8715**, and **18.9437, 35.0022, 15.2089** is the 20% darker color. If you saturate the color by 10%, you get **36.5745, 65.5493, 30.8155**, and if you desaturate by 10%, it is **42.0018, 68.1068, 41.9294**.

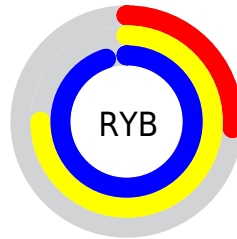
Distribution



Red (26%)

Green (95%)

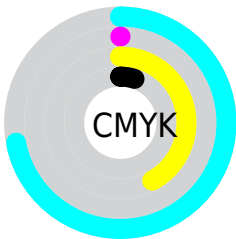
Blue (55%)



Red (26%)

Yellow (75%)

Blue (95%)

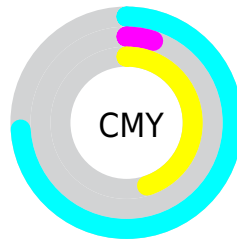


Cyan (72%)

Magenta (0%)

Yellow (42%)

Black (5%)



Cyan (74%)


Magenta (5%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8746, 66.6206, 36.0095 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 38.8746, 66.6206, 36.0095 by changing the saturation by 10% instead.


 38.8746, 66.6206,
36.0095


 38.8746, 66.6206,
36.0095


332.5734,
448.5931, 344.0407


 26.8425, 48.7764,
24.1518


 72.7420, 114.3766,
70.2159


 17.5909, 34.4421,
15.2330


 95.3080, 145.0572,
93.4017

 10.7546, 23.2334,
8.8346


 122.1160,
180.7853, 121.2006

 5.9681, 14.7660,
4.5381

 153.5313,
221.9453, 154.0312

 2.8662, 8.6553,
1.9250

189.9194,
268.9218, 192.3120

 1.0834, 4.5170,
0.5086

231.6455,

 0.0112, 1.9668,

322.0989, 236.4614

0.0000

279.0751,
381.8612, 286.8982

■ 0.0000, 0.5881,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.8746, 66.6206,
36.0095

■ 38.8746, 66.6206,
36.0095

■ 36.5745, 65.5493,
30.8155

■ 42.0018, 68.1068,
41.9294


■ 34.9987, 64.8350,
26.3128


■ 46.0325, 70.0413,
48.5985


■ 34.1681, 64.4726,
23.3004


■ 51.0395, 72.4628,
56.0444


■ 57.0865, 75.4039,
64.2920

 64.2316, 78.8939,
73.3650

 72.5285, 82.9601,
83.2860

 82.0272, 87.6279,
94.0767

 90.6817, 91.8420,
105.6601

 91.0433, 91.9867,
107.5644

Harmonies

Analogous

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



47.9781, 66.6206, 18.3185



38.8746, 66.6206, 36.0095



35.9943, 66.6206, 74.1403

Triad

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



38.8746, 66.6206, 36.0095



63.8777, 66.6206, 211.6967



95.5932, 66.6206, 34.3103

Complementary

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



38.8746, 66.6206, 36.0095



45.6951, 25.7201, 39.6044

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.



101.8378, 66.6206, 70.9600



38.8746, 66.6206, 36.0095



81.6287, 66.6206, 185.6729

Square

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



38.8746, 66.6206, 36.0095



48.7818, 66.6206, 188.6643



96.3257, 66.6206, 127.9334



80.4949, 66.6206, 17.6905

Rectangle

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



38.8746, 66.6206, 36.0095



37.4941, 66.6206, 111.3646



96.3257, 66.6206, 127.9334



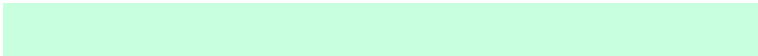
98.9068, 66.6206, 43.9823

Sweetspot

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



38.8763, 66.6233, 36.0110



72.5550, 88.9558, 82.8912



49.1475, 72.3567, 16.6867



15.0326, 18.7970, 17.1260



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.



38.8763, 66.6233, 36.0110



40.2201, 73.3771, 32.1082



47.9916, 70.2694, 84.0118



15.8432, 17.7673, 18.1974



18.4196, 34.6599, 12.8586



1.5810, 2.9028, 1.3260

Inverse Universe

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



45.6951, 25.7201, 39.6044



48.2379, 24.9360, 36.0771



40.1341, 23.4957, 10.3204



16.1553, 15.9118, 18.3738



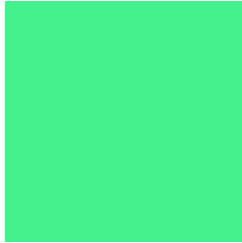
22.2711, 11.1809, 14.6103



1.9024, 0.9500, 1.4767

Previews

White Background



This preview shows how the XYZ color 38.8746, 66.6206, 36.0095 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 38.8746, 66.6206, 36.0095 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 38.8746, 66.6206, 36.0095

Background



This preview shows how black text looks on a background with the XYZ color 38.8746, 66.6206, 36.0095.

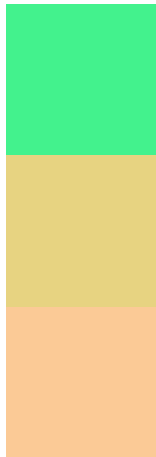


This preview shows how white text looks on a background with the XYZ color 38.8746, 66.6206,

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

38.8746, 66.6206, 36.0095

Protanopia

60.2117, 65.1624, 30.1730

Deuteranopia

66.4092, 64.9523, 37.8911



Tritanopia

51.1469, 66.0041, 98.8513

Trichromacy



Original Color

38.8746, 66.6206, 36.0095



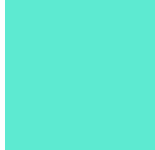
Protanomaly

47.1495, 62.5939, 31.7871



Deuteranomaly

49.8465, 61.9226, 36.9288



Tritanomaly

45.4456, 65.7762, 70.6225

Monochromacy



Original Color

38.8746, 66.6206, 36.0095



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.1594, 49.8932, 43.2164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8746, 66.6206, 36.0095 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(67, 242, 141)` looks like.

```
.text, #text, p{  
    color:rgb(67, 242, 141)  
}
```

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(67, 242, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 242, 141) }
```

Border

The CSS property to change the border of an element to XYZ 38.8746, 66.6206, 36.0095 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(67, 242, 141) }
```


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

```
.border{ border-color:rgb(67, 242, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 242, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 242, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 242, 141);  
box-shadow:4px 4px 4px 4px rgb(67, 242,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8746, 66.6206, 36.0095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 242, 141) }
```

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

```
.background{ background-color: rgb(67, 242,  
141) }
```

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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