

Converting Colors

XYZ(40.6979, 68.0691, 36.6256)

Have a look what the booklet for
XYZ(40.6979, 68.0691, 36.6256)
contains.

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Color

**XYZ(40.6794, 67.9855,
36.5697)**

Conversions

Conversions Part 1

Format	Color
Hex	55F38E
RGB	85, 243, 142
RGB Percent	33%, 95%, 56%
CMY	0.6667, 0.0470, 0.4431
CMYK	0.65, 0.00, 0.42, 0.05
HSL	142°, 87%, 64%
HSV	142°, 65%, 95%
XYZ	40.6794, 67.9855, 36.5697
YIQ	184.2440, -61.7470, -64.9070

Conversions

Conversions Part 2

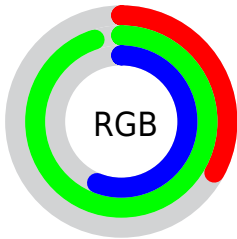
Format	Color
RYB	85, 201, 243
Decimal	5632910
CIELab	86.00, -62.85, 36.84
CIElCh	86, 72.849, 149.623
Yxy	67.9855, 0.2801, 0.4681
Android (android.graphics.Color)	4283822990 (0xFF55F38E)
YUV	184.2440, -20.8263, -87.0370
Hunter-Lab	82.4533, -56.2281, 31.4210

Details

The XYZ color **40.6794, 67.9855, 36.5697** 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 **49.0757, 29.0982, 49.4865**, and the grayscale version is **45.8324, 48.2193, 52.5108**.

A 20% lighter version of the original color is **58.4157, 82.0352, 65.5789**, and **19.4044, 35.8560, 15.5710** is the 20% darker color. If you saturate the color by 10%, you get **37.7543, 66.6049, 30.7639**, and if you desaturate by 10%, it is **44.5276, 69.8269, 43.2702**.

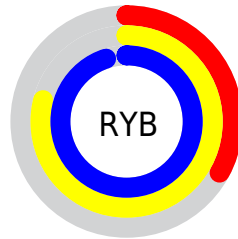
Distribution



Red (33%)

Green (95%)

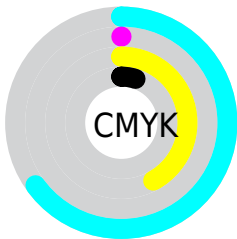
Blue (56%)



Red (33%)

Yellow (79%)

Blue (95%)

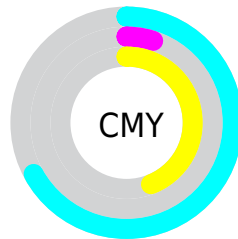


Cyan (65%)

Magenta (0%)

Yellow (42%)

Black (5%)



Cyan (67%)


Magenta (5%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6794, 67.9855, 36.5697 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 40.6794, 67.9855, 36.5697 by changing the saturation by 10% instead.


 40.6794, 67.9855,
36.5697


 40.6794, 67.9855,
36.5697


340.0644,
453.4446, 346.5562

 28.2552, 49.8859,
24.5813


 75.4748, 116.3314,
71.0894


 18.6596, 35.3228,
15.5492


 98.5767, 147.3465,
94.4578

 11.5271, 23.9116,
9.0549


 125.9685,
183.4356, 122.4567

 6.4924, 15.2681,
4.6797

 158.0156,
224.9831, 155.5045

 3.1902, 9.0077,
2.0051

195.0835,
272.3734, 194.0198

 1.2552, 4.7462,
0.5584

237.5373,

 0.1493, 2.0991,

325.9908, 238.4212

0.0000

285.7425,
386.2197, 289.1271

0.0000, 0.6641,
0.0000

0.0000, 0.0000,
0.0000

40.6794, 67.9855,
36.5697

40.6794, 67.9855,
36.5697

37.7543, 66.6049,
30.7639

44.5276, 69.8269,
43.2702

35.6592, 65.6324,
25.8091


49.3699, 72.1594,
50.8971


34.2888, 65.0162,
21.6645


55.2759, 75.0201,
59.4863

33.7995, 64.8028,
19.8869

62.3072, 78.4400,
69.0703

 70.5207, 82.4479,
79.6799

 79.9692, 87.0704,
91.3448

 90.6635, 92.3124,
104.0915

 91.3419, 92.5838,
107.6640

Harmonies

Analogous

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



50.0059, 67.9855, 19.3962



40.6794, 67.9855, 36.5697



37.5260, 67.9855, 73.4211

Triad

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



40.6794, 67.9855, 36.5697



64.4071, 67.9855, 209.3815



96.7559, 67.9855, 37.2287

Complementary

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



40.6794, 67.9855, 36.5697



49.0757, 29.0982, 49.4865

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.



102.3545, 67.9855, 74.6315



40.6794, 67.9855, 36.5697



81.8312, 67.9855, 186.2460

Square

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



40.6794, 67.9855, 36.5697



49.6980, 67.9855, 185.1287



96.4796, 67.9855, 130.9689



82.2604, 67.9855, 19.6451

Rectangle

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



40.6794, 67.9855, 36.5697



38.8391, 67.9855, 109.4155



96.4796, 67.9855, 130.9689



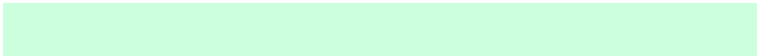
99.8414, 67.9855, 47.2294

Sweetspot

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



40.6811, 67.9883, 36.5712



73.9002, 89.6527, 82.7975



54.3578, 75.4135, 20.2861



15.2768, 18.9255, 17.0182



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.



40.6811, 67.9883, 36.5712



41.2832, 73.9183, 32.4638



48.6247, 71.1657, 78.4015



16.5292, 18.5708, 18.8053



18.6083, 35.5882, 11.2231



1.6829, 3.1468, 1.2359

Inverse Universe

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



49.0757, 29.0982, 49.4865



51.2318, 27.5272, 47.5467



42.9567, 26.6506, 17.2642



16.9451, 16.6609, 19.4574



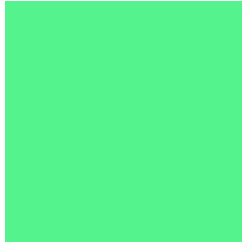
23.6156, 11.7897, 18.4821



2.1247, 1.0558, 1.8828

Previews

White Background



This preview shows how the XYZ color 40.6794, 67.9855, 36.5697 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 40.6794, 67.9855, 36.5697 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 40.6794, 67.9855, 36.5697

Background



This preview shows how black text looks on a background with the XYZ color 40.6794, 67.9855, 36.5697.

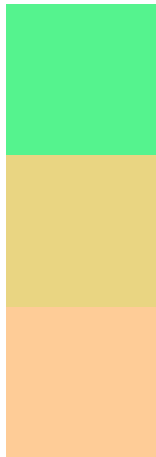


This preview shows how white text looks on a background with the XYZ color 40.6794, 67.9855,

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

40.6794, 67.9855, 36.5697

Protanopia

61.4278, 66.5238, 30.7219

Deuteranopia

68.0518, 66.4909, 38.5255



Tritanopia

53.0034, 67.3551, 99.8298

Trichromacy



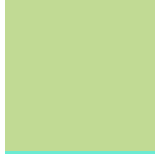
Original Color

40.6794, 67.9855, 36.5697



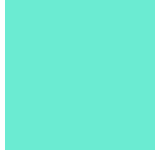
Protanomaly

49.5491, 64.6162, 32.4149



Deuteranomaly

52.4090, 63.6184, 37.5343



Tritanomaly

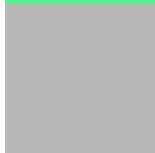
47.4046, 67.1956, 71.4443

Monochromacy



Original Color

40.6794, 67.9855, 36.5697



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

41.2055, 52.8231, 45.5602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6794, 67.9855, 36.5697 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(85, 243, 142)` looks like.

```
.text, #text, p{  
    color:rgb(85, 243, 142)  
}
```

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(85, 243, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 243, 142) }
```

Border

The CSS property to change the border of an element to XYZ 40.6794, 67.9855, 36.5697 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(85, 243, 142) }
```


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

```
.border{ border-color:rgb(85, 243, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 243, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 243, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 243, 142);  
box-shadow:4px 4px 4px 4px rgb(85, 243,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6794, 67.9855, 36.5697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 243, 142) }
```

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

```
.background{ background-color: rgb(85, 243,  
142) }
```

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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