

Converting Colors

XYZ(41.8657, 68.3327, 33.5695)

Have a look what the booklet for
XYZ(41.8657, 68.3327, 33.5695)
contains.

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Color

**XYZ(41.7641, 68.1685,
33.5109)**

Conversions

Conversions Part 1

Format	Color
Hex	68F286
RGB	104, 242, 134
RGB Percent	41%, 95%, 53%
CMY	0.5922, 0.0510, 0.4745
CMYK	0.57, 0.00, 0.45, 0.05
HSL	133°, 84%, 68%
HSV	133°, 57%, 95%
XYZ	41.7641, 68.1685, 33.5109
YIQ	188.4260, -47.5800, -62.8440

Conversions

Conversions Part 2

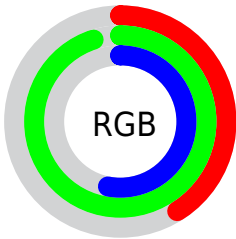
Format	Color
RYB	104, 217, 242
Decimal	6877830
CIELab	86.09, -59.92, 40.99
CIElCh	86, 72.598, 145.629
Yxy	68.1685, 0.2912, 0.4752
Android (android.graphics.Color)	4285067910 (0xFF68F286)
YUV	188.4260, -26.8320, -74.0416
Hunter-Lab	82.5642, -54.1953, 33.7305

Details

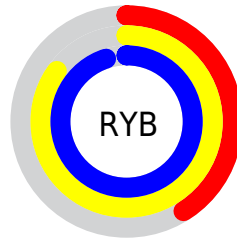
The XYZ color **41.7641, 68.1685, 33.5109** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **53.4539, 33.5326, 65.9444**, and the grayscale version is **48.2111, 50.7219, 55.2361**.

A 20% lighter version of the original color is **60.3542, 83.1502, 60.4455**, and **19.3508, 35.5540, 13.8254** is the 20% darker color. If you saturate the color by 10%, you get **38.1431, 66.4430, 27.0533**, and if you desaturate by 10%, it is **46.4309, 70.4097, 41.2553**.

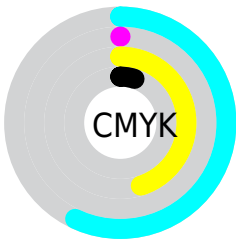
Distribution



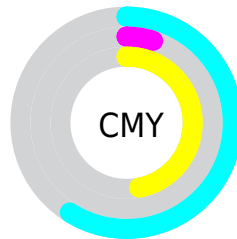
- Red (41%)
- Green (95%)
- Blue (53%)



- Red (41%)
- Yellow (85%)
- Blue (95%)



- Cyan (57%)
- Magenta (0%)
- Yellow (45%)
- Black (5%)



- Cyan (59%)
- Magenta (5%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7641, 68.1685, 33.5109 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 41.7641, 68.1685, 33.5109 by changing the saturation by 10% instead.

41.7641, 68.1685,
33.5109

41.7641, 68.1685,
33.5109

344.5124,
454.0928, 332.6480

29.1069, 50.0348,
22.2438

77.1099, 116.5932,
66.2975

19.3064, 35.4411,
13.8361

100.5292,
147.6529, 88.6541

11.9972, 24.0028,
7.8693

128.2666,
183.7902, 115.5443

6.8140, 15.3357,
3.9249

160.6874,
225.3894, 147.3866

3.3913, 9.0553,
1.5842

198.1571,
272.8348, 184.5996

1.3639, 4.7773,
0.2795

241.0409,

0.2303, 2.1172,

326.5109, 227.6018

0.0000

289.7042,
386.8021, 276.8118

0.0000, 0.6743,
0.0000

0.0000, 0.0000,
0.0000

41.7641, 68.1685,
33.5109

41.7641, 68.1685,
33.5109

38.1431, 66.4430,
27.0533

46.4309, 70.4097,
41.2553

35.4791, 65.1830,
21.8080


52.2128, 73.1952,
50.3463


33.6767, 64.3429,
17.6999


59.1788, 76.5611,
60.8457


32.6135, 63.8613,
14.6434

67.3910, 80.5383,
72.8099

 32.3871, 63.7603,
13.9215

 76.9069, 85.1554,
86.2922

 87.7805, 90.4390,
101.3435

 91.0434, 91.9869,
107.5645

Harmonies

Analogous

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



51.8878, 68.1685, 18.3948



41.7641, 68.1685, 33.5109



37.7888, 68.1685, 67.4414

Triad

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



41.7641, 68.1685, 33.5109



62.3784, 68.1685, 208.6185



98.2191, 68.1685, 41.1651

Complementary

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



41.7641, 68.1685, 33.5109



53.4539, 33.5326, 65.9444

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.



102.3150, 68.1685, 81.4465



41.7641, 68.1685, 33.5109



79.6760, 68.1685, 191.6381

Square

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



41.7641, 68.1685, 33.5109



48.3218, 68.1685, 178.7630



95.0288, 68.1685, 139.0829



84.6348, 68.1685, 21.2973

Rectangle

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



41.7641, 68.1685, 33.5109



38.5565, 68.1685, 101.8166



95.0288, 68.1685, 139.0829



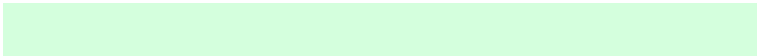
100.8409, 68.1685, 52.1295

Sweetspot

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



41.7658, 68.1713, 33.5124



75.8716, 90.6895, 81.9644



61.4335, 78.5188, 25.0149



15.8161, 19.2060, 16.9339



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.



41.7658, 68.1713, 33.5124



42.5526, 74.6350, 29.7096



48.2305, 70.7572, 67.5552



15.7065, 17.7126, 17.4776



17.4391, 34.2676, 7.6950



1.4866, 2.8651, 0.8288

Inverse Universe

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



53.4539, 33.5326, 65.9444



56.7911, 32.2600, 69.0862



46.5356, 30.7652, 29.5128



16.2986, 15.9691, 19.1284



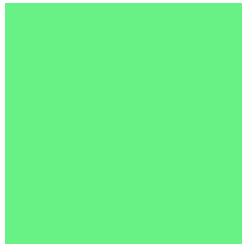
24.6815, 12.1450, 27.3032



2.0893, 1.0248, 2.4611

Previews

White Background



This preview shows how the XYZ color 41.7641, 68.1685, 33.5109 looks on a white background.

Color Contrast Check

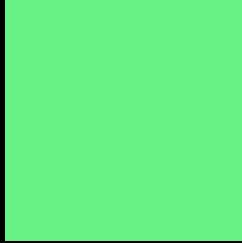
Large Text (above 18pt) WCAG AA × Fail

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 41.7641, 68.1685, 33.5109 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

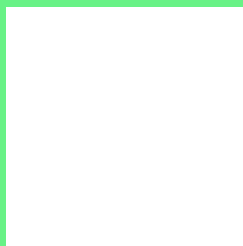
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.7641, 68.1685, 33.5109

Background



This preview shows how black text looks on a background with the XYZ color 41.7641, 68.1685, 33.5109.



This preview shows how white text looks on a background with the XYZ color 41.7641, 68.1685,

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

41.7641, 68.1685, 33.5109

Protanopia

61.5534, 67.0156, 28.4300

Deuteranopia

68.1822, 66.9670, 36.1204



Tritanopia

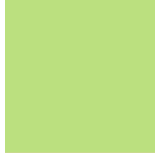
54.6393, 67.8224, 98.2069

Trichromacy



Original Color

41.7641, 68.1685, 33.5109



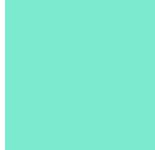
Protanomaly

50.9799, 65.4084, 30.0168



Deuteranomaly

53.6985, 64.3453, 34.7890



Tritanomaly

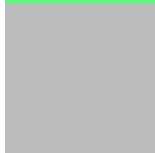
48.7318, 67.5128, 68.8554

Monochromacy



Original Color

41.7641, 68.1685, 33.5109



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.5284, 55.1070, 45.3883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7641, 68.1685, 33.5109 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(104, 242, 134)` looks like.

```
.text, #text, p{  
    color:rgb(104, 242, 134)  
}
```

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(104, 242, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 242, 134) }
```

Border

The CSS property to change the border of an element to XYZ 41.7641, 68.1685, 33.5109 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(104, 242, 134) }
```


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

```
.border{ border-color:rgb(104, 242, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 242, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 242, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 242, 134);  
box-shadow:4px 4px 4px 4px rgb(104, 242,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7641, 68.1685, 33.5109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 242, 134) }
```

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

```
.background{ background-color: rgb(104,  
242, 134) }
```

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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