

Converting Colors

XYZ(40.9775, 67.4960, 25.6220)

Have a look what the booklet for
XYZ(40.9775, 67.4960, 25.6220)
contains.

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Color

**XYZ(40.9519, 67.4811,
25.6186)**

Conversions

Conversions Part 1

Format	Color
Hex	70F16E
RGB	112, 241, 110
RGB Percent	44%, 95%, 43%
CMY	0.5608, 0.0549, 0.5686
CMYK	0.54, 0.00, 0.54, 0.05
HSL	119°, 82%, 69%
HSV	119°, 54%, 95%
XYZ	40.9519, 67.4811, 25.6186
YIQ	187.4950, -34.8330, -68.0890

Conversions

Conversions Part 2

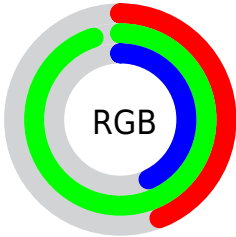
Format	Color
RYB	110, 241, 239
Decimal	7401838
CIELab	85.75, -60.92, 51.95
CIELCh	86, 80.064, 139.541
Yxy	67.4811, 0.3055, 0.5034
Android (android.graphics.Color)	4285591918 (0xFF70F16E)
YUV	187.4950, -38.2050, -66.2091
Hunter-Lab	82.1469, -54.7711, 39.0124

Details

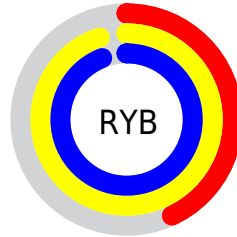
The XYZ color **40.9519, 67.4811, 25.6186** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **57.0530, 35.8557, 87.1364**, and the grayscale version is **47.7389, 50.2250, 54.6950**.

A 20% lighter version of the original color is **59.4741, 82.9710, 48.0023**, and **18.8753, 35.0900, 9.6491** is the 20% darker color. If you saturate the color by 10%, you get **37.1824, 65.6714, 19.4998**, and if you desaturate by 10%, it is **45.8772, 69.8494, 33.6566**.

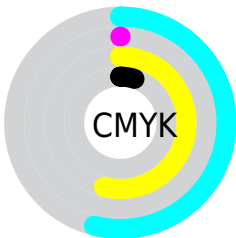
Distribution



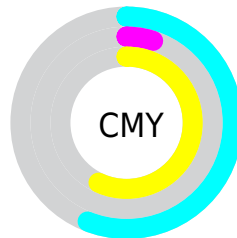
- Red (44%)
- Green (95%)
- Blue (43%)



- Red (43%)
- Yellow (95%)
- Blue (94%)



- Cyan (54%)
- Magenta (0%)
- Yellow (54%)
- Black (5%)





- Cyan (56%)
- Magenta (5%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9519, 67.4811, 25.6186 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 40.9519, 67.4811, 25.6186 by changing the saturation by 10% instead.


 40.9519, 67.4811,
25.6186


 40.9519, 67.4811,
25.6186

341.1856,
451.6553, 294.4504

 28.4690, 49.4757,
16.3153


 75.8860, 115.6095,
53.6355


 18.8218, 34.9970,
9.5908


 99.0680, 146.5013,
73.1862

 11.6448, 23.6606,
5.0265


 126.5470,
182.4574, 96.9899

 6.5728, 15.0820,
2.2038

 158.6885,
223.8621, 125.4649

 3.2403, 8.8770,
0.6766

195.8577,
271.0998, 159.0300

 1.2821, 4.6610,
0.0000

238.4200,

 0.1698, 2.0498,

324.5550, 198.1036

0.0000

286.7409,
384.6121, 243.1042

■ 0.0000, 0.6362,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.9519, 67.4811,
25.6186

■ 40.9519, 67.4811,
25.6186

■ 37.1824, 65.6714,
19.4998

■ 45.8772, 69.8494,
33.6566

■ 34.4701, 64.3669,
15.1364


■ 52.0367, 72.8077,
43.7508


■ 32.7083, 63.5186,
12.3451

■ 59.5077, 76.3951,
56.0307


■ 31.7656, 63.0637,
10.8997

■ 68.3599, 80.6449,
70.6141

 31.5026, 62.9369,
10.4877

 78.6580, 85.5883,
87.6104

 90.4625, 91.2541,
107.1217

 90.7466, 91.3932,
107.4655

Harmonies

Analogous

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



53.0922, 67.4811, 13.5987



40.9519, 67.4811, 25.6186



35.4252, 67.4811, 56.6834

Triad

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



40.9519, 67.4811, 25.6186



57.9707, 67.4811, 223.4527



103.2656, 67.4811, 44.7015

Complementary

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



40.9519, 67.4811, 25.6186



57.0530, 35.8557, 87.1364

Split Complementary

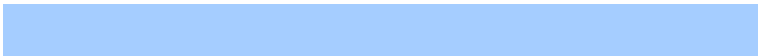
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.2556, 67.4811, 93.2939



40.9519, 67.4811, 25.6186



76.6202, 67.4811, 214.9102

Square

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



40.9519, 67.4811, 25.6186



43.9378, 67.4811, 179.6795



94.7508, 67.4811, 160.0010



89.7406, 67.4811, 20.4343

Rectangle

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



40.9519, 67.4811, 25.6186



35.3593, 67.4811, 91.4433



94.7508, 67.4811, 160.0010



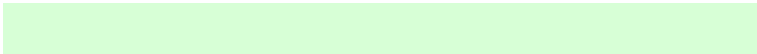
105.3918, 67.4811, 58.0304

Sweetspot

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



40.9535, 67.4839, 25.6201



75.8953, 90.8054, 77.2794



69.9060, 81.4557, 26.7910



15.7839, 19.2148, 15.7814



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.



40.9535, 67.4839, 25.6201



41.9651, 74.5094, 21.6763



45.4614, 69.2580, 50.6701



15.5882, 17.6679, 16.7384



17.0926, 34.1331, 5.6875



1.4297, 2.8436, 0.4735

Inverse Universe

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



57.0530, 35.8557, 87.1364



61.9594, 35.1902, 98.1345



49.8580, 33.0560, 45.7077



16.4291, 16.0184, 19.9476



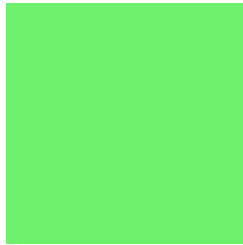
27.6191, 13.2436, 46.2284



2.3052, 1.1057, 3.8461

Previews

White Background



This preview shows how the XYZ color 40.9519, 67.4811, 25.6186 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 40.9519, 67.4811, 25.6186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

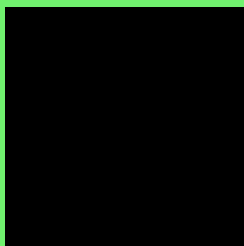
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9519, 67.4811, 25.6186

Background



This preview shows how black text looks on a background with the XYZ color 40.9519, 67.4811, 25.6186.



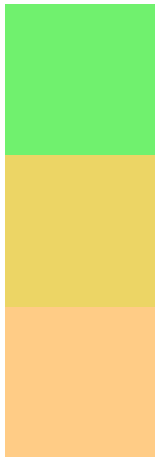
This preview shows how white text looks on a background with the XYZ color 40.9519, 67.4811,

25.6186.

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

40.9519, 67.4811, 25.6186

Protanopia

60.7353, 66.3610, 21.9198

Deuteranopia

67.1359, 66.1670, 31.7873



Tritanopia

55.1058, 67.2815, 96.4684

Trichromacy



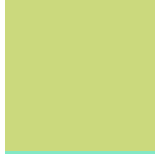
Original Color

40.9519, 67.4811, 25.6186



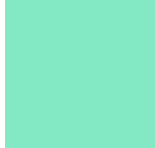
Protanomaly

50.3722, 64.8512, 22.9593



Deuteranomaly

53.1431, 63.8029, 28.9163



Tritanomaly

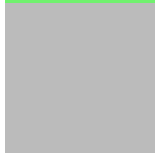
48.1805, 66.5240, 62.5256

Monochromacy



Original Color

40.9519, 67.4811, 25.6186



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.0680, 54.6024, 41.0703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9519, 67.4811, 25.6186 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(112, 241, 110)` looks like.

```
.text, #text, p{  
    color:rgb(112, 241, 110)  
}
```

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(112, 241, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 241, 110) }
```

Border

The CSS property to change the border of an element to XYZ 40.9519, 67.4811, 25.6186 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(112, 241, 110) }
```


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

```
.border{ border-color:rgb(112, 241, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 241, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 241, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 241, 110);  
box-shadow:4px 4px 4px 4px rgb(112, 241,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9519, 67.4811, 25.6186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 241, 110) }
```

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

```
.background{ background-color: rgb(112,  
241, 110) }
```

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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