

Converting Colors

XYZ(41.3735, 69.9274, 26.1114)

Have a look what the booklet for
XYZ(41.3735, 69.9274, 26.1114)
contains.

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Color

**XYZ(41.3638, 69.9209,
26.0678)**

Conversions

Conversions Part 1

Format	Color
Hex	67F66E
RGB	103, 246, 110
RGB Percent	40%, 96%, 43%
CMY	0.5961, 0.0353, 0.5686
CMYK	0.58, 0.00, 0.55, 0.04
HSL	123°, 89%, 68%
HSV	123°, 58%, 96%
XYZ	41.3638, 69.9209, 26.0678
YIQ	187.7390, -41.5720, -72.6120

Conversions

Conversions Part 2

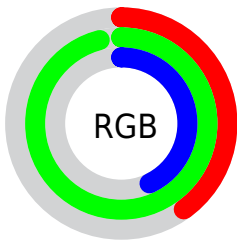
Format	Color
RYB	103, 239, 246
Decimal	6813294
CIELab	86.96, -64.88, 53.33
CIELCh	87, 83.982, 140.582
Yxy	69.9209, 0.3012, 0.5091
Android (android.graphics.Color)	4285003374 (0xFF67F66E)
YUV	187.7390, -38.3253, -74.3161
Hunter-Lab	83.6187, -58.0339, 40.0497

Details

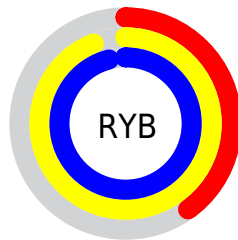
The XYZ color **41.3638, 69.9209, 26.0678** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **58.4383, 35.5265, 85.4403**, and the grayscale version is **47.8809, 50.3744, 54.8577**.

A 20% lighter version of the original color is **58.0686, 82.2359, 48.4099**, and **18.9656, 36.3904, 9.7658** is the 20% darker color. If you saturate the color by 10%, you get **37.8363, 68.2327, 20.1091**, and if you desaturate by 10%, it is **46.0608, 72.1772, 33.8393**.

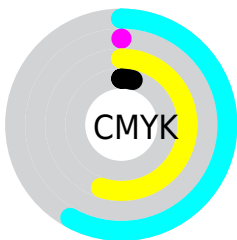
Distribution



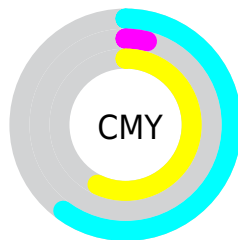
- Red (40%)
- Green (96%)
- Blue (43%)



- Red (40%)
- Yellow (94%)
- Blue (96%)



- Cyan (58%)
- Magenta (0%)
- Yellow (55%)
- Black (4%)





- Cyan (60%)
- Magenta (4%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3638, 69.9209, 26.0678 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 41.3638, 69.9209, 26.0678 by changing the saturation by 10% instead.


 41.3638, 69.9209,
26.0678


 41.3638, 69.9209,
26.0678


342.8755,
460.2722, 296.7308

 28.7924, 51.4621,
16.6481


 76.5071, 119.0959,
54.3697

 19.0673, 36.5765,
9.8247


 99.8096, 150.5809,
74.0891

 11.8232, 24.8797,
5.1788


 127.4200,
187.1768, 98.0788

 6.6948, 15.9875,
2.2920

159.7034,
229.2678, 126.7573

 3.3166, 9.5153,
0.7267

197.0253,
277.2385, 160.5432

 1.3233, 5.0788,
0.0000

239.7511,

 0.2006, 2.2936,

331.4732, 199.8551

0.0000

288.2460,
392.3563, 245.1114

0.0000, 0.7703,
0.0000

0.0000, 0.0000,
0.0000

41.3638, 69.9209,
26.0678

41.3638, 69.9209,
26.0678

37.8363, 68.2327,
20.1091

46.0608, 72.1772,
33.8393

35.3709, 67.0543,
15.8123


52.0123, 75.0366,
43.5490


33.8494, 66.3304,
13.0101


59.3014, 78.5414,
55.3167


33.1114, 65.9827,
11.4976

68.0027, 82.7276,
69.2514

 33.0238, 65.9410,
11.3366

 78.1851, 87.6288,
85.4540

 89.9131, 93.2760,
104.0194

 92.2471, 94.3943,
107.9657

Harmonies

Analogous

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



54.0567, 69.9209, 13.1630



41.3638, 69.9209, 26.0678



35.7530, 69.9209, 59.7842

Triad

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



41.3638, 69.9209, 26.0678



60.4731, 69.9209, 240.2228



108.4061, 69.9209, 44.1129

Complementary

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



41.3638, 69.9209, 26.0678



58.4383, 35.5265, 85.4403

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.



111.0600, 69.9209, 95.2174



41.3638, 69.9209, 26.0678



80.6236, 69.9209, 228.7071

Square

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



41.3638, 69.9209, 26.0678



45.2640, 69.9209, 193.8349



100.0741, 69.9209, 167.4189



93.4090, 69.9209, 19.4484

Rectangle

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



41.3638, 69.9209, 26.0678



35.8412, 69.9209, 97.7498



100.0741, 69.9209, 167.4189



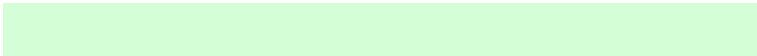
110.8726, 69.9209, 57.9623

Sweetspot

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



41.3655, 69.9238, 26.0694



74.9192, 90.3085, 76.9489



71.7623, 85.6362, 25.5795



15.5943, 19.1173, 15.7656



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.



41.3655, 69.9238, 26.0694



40.4296, 73.7368, 20.7463



46.7148, 72.0635, 54.2385



16.3151, 18.4852, 17.6776



17.6405, 35.2010, 6.1265



1.5618, 3.0984, 0.5982

Inverse Universe

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



58.4383, 35.5265, 85.4403



60.5335, 33.1678, 90.6093



50.0888, 32.1867, 41.4722



17.1765, 16.7535, 20.6761



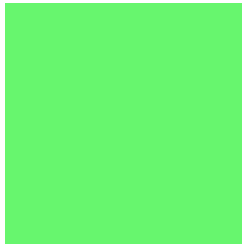
28.2255, 13.6336, 42.7571



2.4913, 1.2025, 3.8138

Previews

White Background



This preview shows how the XYZ color 41.3638, 69.9209, 26.0678 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 41.3638, 69.9209, 26.0678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

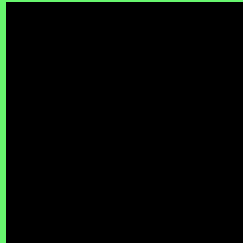
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.3638, 69.9209, 26.0678

Background



This preview shows how black text looks on a background with the XYZ color 41.3638, 69.9209, 26.0678.

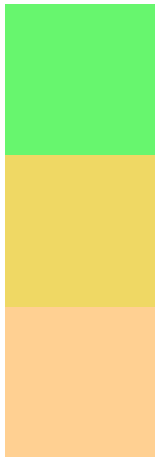


This preview shows how white text looks on a background with the XYZ color 41.3638, 69.9209,

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

41.3638, 69.9209, 26.0678

Protanopia

62.4527, 68.3826, 21.9641

Deuteranopia

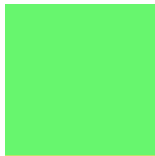
68.9842, 68.4471, 36.7699



Tritanopia

56.1478, 69.3723, 100.8734

Trichromacy



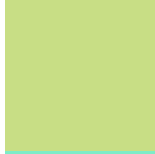
Original Color

41.3638, 69.9209, 26.0678



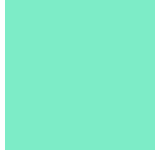
Protanomaly

51.2030, 66.8848, 23.3081



Deuteranomaly

54.1743, 66.2154, 32.1159



Tritanomaly

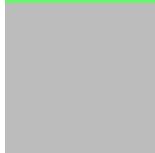
48.7617, 68.4744, 64.6797

Monochromacy



Original Color

41.3638, 69.9209, 26.0678



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.0503, 55.3071, 41.6641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3638, 69.9209, 26.0678 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(103, 246, 110)` looks like.

```
.text, #text, p{  
    color:rgb(103, 246, 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(103, 246, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 246, 110) }
```

Border

The CSS property to change the border of an element to XYZ 41.3638, 69.9209, 26.0678 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(103, 246, 110) }
```


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

```
.border{ border-color:rgb(103, 246, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 246, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 246, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 246, 110);  
box-shadow:4px 4px 4px 4px rgb(103, 246,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3638, 69.9209, 26.0678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 246, 110) }
```

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

```
.background{ background-color: rgb(103,  
246, 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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