

Converting Colors

XYZ(40.1574, 65.8749, 30.3660)

Have a look what the booklet for
XYZ(40.1574, 65.8749, 30.3660)
contains.

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Color

**XYZ(40.3413, 66.1824,
30.3869)**

Conversions

Conversions Part 1

Format	Color
Hex	68EF7E
RGB	104, 239, 126
RGB Percent	41%, 94%, 49%
CMY	0.5922, 0.0627, 0.5059
CMYK	0.56, 0.00, 0.47, 0.06
HSL	130°, 81%, 67%
HSV	130°, 56%, 94%
XYZ	40.3413, 66.1824, 30.3869
YIQ	185.7530, -44.1870, -63.7630

Conversions

Conversions Part 2

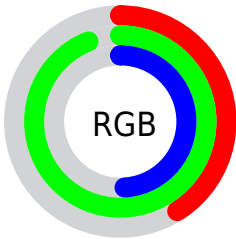
Format	Color
RYB	104, 220, 239
Decimal	6877054
CIELab	85.09, -59.97, 43.59
CIELCh	85, 74.143, 143.987
Yxy	66.1824, 0.2947, 0.4834
Android (android.graphics.Color)	4285067134 (0xFF68EF7E)
YUV	185.7530, -29.4582, -71.6974
Hunter-Lab	81.3526, -53.8520, 34.8007

Details

The XYZ color **40.3413, 66.1824, 30.3869** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **53.0733, 33.2623, 69.2705**, and the grayscale version is **46.7126, 49.1453, 53.5192**.

A 20% lighter version of the original color is **59.5153, 82.8146, 56.0281**, and **18.4707, 34.2115, 12.1085** is the 20% darker color. If you saturate the color by 10%, you get **36.7860, 64.4860, 24.1433**, and if you desaturate by 10%, it is **44.9441, 68.3927, 38.0298**.

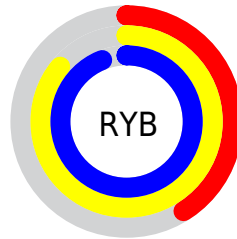
Distribution



Red (41%)

Green (94%)

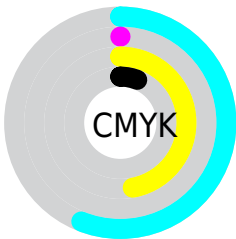
Blue (49%)



Red (41%)

Yellow (86%)

Blue (94%)

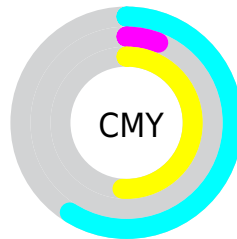


Cyan (56%)

Magenta (0%)

Yellow (47%)

Black (6%)



Cyan (59%)


Magenta (6%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3413, 66.1824, 30.3869 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 40.3413, 66.1824, 30.3869 by changing the saturation by 10% instead.


 40.3413, 66.1824,
30.3869


 40.3413, 66.1824,
30.3869


338.6698,
447.0289, 317.9670

 27.9901, 48.4205,
19.8779


 74.9640, 113.7481,
61.3417

 18.4586, 34.1600,
12.1231


 97.9662, 144.3206,
82.6246

 11.3814, 23.0165,
6.7040


 125.2496,
179.9322, 108.3359

 6.3932, 14.6057,
3.2021

157.1793,
220.9672, 138.8941

 3.1285, 8.5431,
1.1987

194.1209,
267.8099, 174.7178

 1.2221, 4.4444,
0.0000

236.4396,

 0.1237, 1.9251,

320.8449, 216.2255

0.0000

284.5008,
380.4564, 263.8357

0.0000, 0.5634,
0.0000

0.0000, 0.0000,
0.0000

40.3413, 66.1824,
30.3869

40.3413, 66.1824,
30.3869

36.7860, 64.4860,
24.1433

44.9441, 68.3927,
38.0298

34.1893, 63.2539,
19.2097


50.6639, 71.1456,
47.1452


32.4558, 62.4407,
15.4939


57.5701, 74.4770,
57.8062


31.4657, 61.9869,
12.8891

65.7249, 78.4178,
70.0801

 31.2332, 61.8817,
12.2134

 75.1861, 82.9963,
84.0300

 86.0081, 88.2392,
99.7157

 90.1578, 90.2156,
107.2693

Harmonies

Analogous

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



50.7324, 66.1824, 16.4651



40.3413, 66.1824, 30.3869



36.0693, 66.1824, 62.8514

Triad

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



40.3413, 66.1824, 30.3869



59.6005, 66.1824, 207.6659



97.0392, 66.1824, 40.7679

Complementary

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



40.3413, 66.1824, 30.3869



53.0733, 33.2623, 69.2705

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.



100.5474, 66.1824, 82.1299



40.3413, 66.1824, 30.3869



76.8824, 66.1824, 192.9675

Square

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



40.3413, 66.1824, 30.3869



45.8503, 66.1824, 174.9816



92.6175, 66.1824, 140.7838



83.7363, 66.1824, 20.3341

Rectangle

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



40.3413, 66.1824, 30.3869



36.6072, 66.1824, 96.6535



92.6175, 66.1824, 140.7838



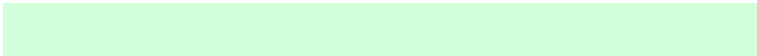
99.4909, 66.1824, 52.0403

Sweetspot

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



40.3429, 66.1851, 30.3884



75.5592, 90.5646, 80.3195



62.5060, 77.7570, 24.8112



15.7432, 19.1769, 16.5499



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.



40.3429, 66.1851, 30.3884



42.0118, 74.4187, 26.8617



46.0640, 68.4736, 60.5149



15.6710, 17.6984, 17.2902



17.2909, 34.2084, 6.9146



1.4691, 2.8581, 0.7368

Inverse Universe

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



53.0733, 33.2623, 69.2705



58.0566, 32.7662, 75.7501



46.1550, 30.4949, 32.8392



16.3372, 15.9846, 19.3317



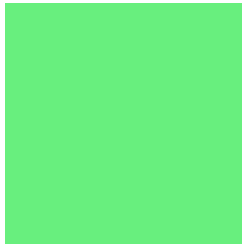
25.4774, 12.4634, 31.4945



2.1487, 1.0485, 2.7739

Previews

White Background



This preview shows how the XYZ color 40.3413, 66.1824, 30.3869 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 40.3413, 66.1824, 30.3869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

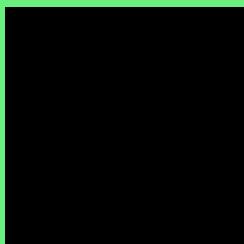
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.3413, 66.1824, 30.3869

Background



This preview shows how black text looks on a background with the XYZ color 40.3413, 66.1824, 30.3869.

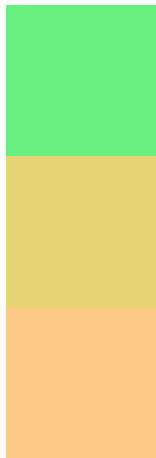


This preview shows how white text looks on a background with the XYZ color 40.3413, 66.1824,

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

40.3413, 66.1824, 30.3869

Protanopia

59.7254, 65.0053, 25.9224

Deuteranopia

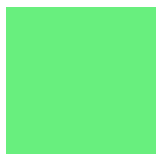
66.3668, 65.0612, 31.9818



Tritanopia

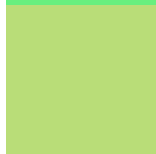
53.3570, 65.9927, 95.5136

Trichromacy



Original Color

40.3413, 66.1824, 30.3869



Protanomaly

49.2542, 63.3833, 27.4075



Deuteranomaly

52.0185, 62.4089, 31.1343



Tritanomaly

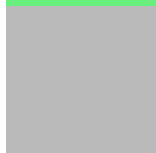
47.2869, 65.5798, 65.4242

Monochromacy



Original Color

40.3413, 66.1824, 30.3869



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

42.2425, 53.4109, 43.2049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3413, 66.1824, 30.3869 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, 239, 126)` looks like.

```
.text, #text, p{  
    color:rgb(104, 239, 126)  
}
```

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, 239, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 239, 126) }
```

Border

The CSS property to change the border of an element to XYZ 40.3413, 66.1824, 30.3869 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, 239, 126) }
```


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

```
.border{ border-color:rgb(104, 239, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 239, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 239, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 239, 126);  
box-shadow:4px 4px 4px 4px rgb(104, 239,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3413, 66.1824, 30.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 239, 126) }
```

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

```
.background{ background-color: rgb(104,  
239, 126) }
```

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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