

Converting Colors

XYZ(41.8816, 69.3261, 34.0860)

Have a look what the booklet for
XYZ(41.8816, 69.3261, 34.0860)
contains.

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Color

**XYZ(41.7609, 69.0473,
34.0481)**

Conversions

Conversions Part 1

Format	Color
Hex	62F487
RGB	98, 244, 135
RGB Percent	38%, 96%, 53%
CMY	0.6157, 0.0431, 0.4706
CMYK	0.60, 0.00, 0.45, 0.04
HSL	135°, 87%, 67%
HSV	135°, 60%, 96%
XYZ	41.7609, 69.0473, 34.0481
YIQ	187.9200, -52.0270, -64.8510

Conversions

Conversions Part 2

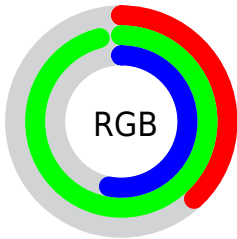
Format	Color
RYB	98, 214, 244
Decimal	6485127
CIELab	86.53, -61.81, 41.02
CIELCh	87, 74.188, 146.431
Yxy	69.0473, 0.2883, 0.4767
Android (android.graphics.Color)	4284675207 (0xFF62F487)
YUV	187.9200, -26.0896, -78.8598
Hunter-Lab	83.0947, -55.7070, 33.8722

Details

The XYZ color **41.7609, 69.0473, 34.0481** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **52.9406, 32.4748, 62.5118**, and the grayscale version is **47.9207, 50.4163, 54.9034**.

A 20% lighter version of the original color is **59.5515, 82.7113, 61.5414**, and **19.3942, 36.1974, 14.1482** is the 20% darker color. If you saturate the color by 10%, you get **38.3438, 67.4234, 27.7569**, and if you desaturate by 10%, it is **46.2031, 71.1782, 41.5358**.

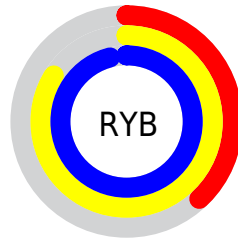
Distribution



Red (38%)

Green (96%)

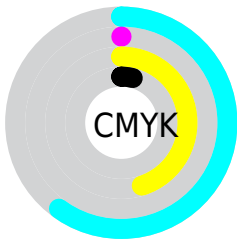
Blue (53%)



Red (38%)

Yellow (84%)

Blue (96%)

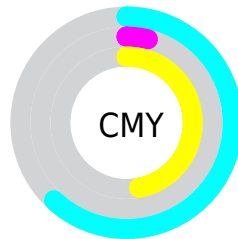


Cyan (60%)

Magenta (0%)

Yellow (45%)

Black (4%)



Cyan (62%)

Magenta (4%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7609, 69.0473, 34.0481 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 41.7609, 69.0473, 34.0481 by changing the saturation by 10% instead.

41.7609, 69.0473,
34.0481

41.7609, 69.0473,
34.0481

344.4993,
457.1978, 335.1222

29.1044, 50.7502,
22.6529

77.1051, 117.8491,
67.1432

19.3045, 36.0099,
14.1345

100.5234,
149.1227, 89.6802

11.9958, 24.4418,
8.0745

128.2598,
185.4905, 116.7682

6.8130, 15.6617,
4.0542

160.6796,
227.3370, 148.8257

3.3907, 9.2851,
1.6551

198.1481,
275.0466, 186.2714

1.3636, 4.9276,
0.3297

241.0306,

0.2301, 2.2048,

329.0037, 229.5236

0.0000

289.6926,
389.5926, 279.0010

0.0000, 0.7226,
0.0000

0.0000, 0.0000,
0.0000

41.7609, 69.0473,
34.0481

41.7609, 69.0473,
34.0481

38.3438, 67.4234,
27.7569

46.2031, 71.1782,
41.5358

35.8600, 66.2546,
22.5952


51.7417, 73.8458,
50.2732


34.2090, 65.4926,
18.4963

58.4474, 77.0874,
60.3155

33.2302, 65.0559,
15.3827

66.3832, 80.9344,
71.7138

 33.2170, 65.0500,
15.3392

 75.6079, 85.4161,
84.5159

 86.1761, 90.5597,
98.7675

 91.6420, 93.1840,
107.7640

Harmonies

Analogous

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



51.9875, 69.0473, 18.2833



41.7609, 69.0473, 34.0481



37.8586, 69.0473, 69.4413

Triad

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



41.7609, 69.0473, 34.0481



63.5915, 69.0473, 214.7493



99.8956, 69.0473, 40.4281

Complementary

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



41.7609, 69.0473, 34.0481



52.9406, 32.4748, 62.5118

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.



104.4499, 69.0473, 81.2281



41.7609, 69.0473, 34.0481



81.4659, 69.0473, 195.7868

Square

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



41.7609, 69.0473, 34.0481



48.9961, 69.0473, 184.8445



97.1979, 69.0473, 140.6047



85.6514, 69.0473, 20.6763

Rectangle

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



41.7609, 69.0473, 34.0481



38.7566, 69.0473, 105.2597



97.1979, 69.0473, 140.6047



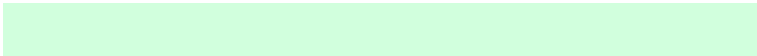
102.7070, 69.0473, 51.4588

Sweetspot

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



41.7626, 69.0501, 34.0497



75.0983, 90.2961, 81.6905



60.4298, 78.9240, 23.6047



15.4797, 19.0386, 16.6474



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.



41.7626, 69.0501, 34.0497



41.6538, 74.1811, 29.2404



48.7134, 71.8305, 70.6522



16.4545, 18.5409, 18.4117



18.1072, 35.3877, 8.5841



1.6313, 3.1262, 0.9643

Inverse Universe

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



52.9406, 32.4748, 62.5118



54.9620, 30.3948, 62.9488



46.0159, 29.7050, 26.0469



17.0237, 16.6923, 19.8715



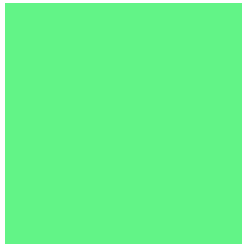
24.9445, 12.3212, 25.4800



2.2336, 1.0994, 2.4564

Previews

White Background



This preview shows how the XYZ color 41.7609, 69.0473, 34.0481 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 41.7609, 69.0473, 34.0481 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 41.7609, 69.0473, 34.0481

Background



This preview shows how black text looks on a background with the XYZ color 41.7609, 69.0473, 34.0481.



This preview shows how white text looks on a background with the XYZ color 41.7609, 69.0473,

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

41.7609, 69.0473, 34.0481

Protanopia

62.5306, 67.8890, 28.8770

Deuteranopia

68.8163, 67.6046, 38.2761



Tritanopia

55.0372, 68.7998, 100.8214

Trichromacy



Original Color

41.7609, 69.0473, 34.0481



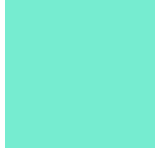
Protanomaly

51.3423, 66.3903, 30.5307



Deuteranomaly

53.9927, 65.2365, 36.5342



Tritanomaly

48.8518, 68.3965, 70.3016

Monochromacy



Original Color

41.7609, 69.0473, 34.0481



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.2349, 54.9449, 45.8628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7609, 69.0473, 34.0481 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(98, 244, 135)` looks like.

```
.text, #text, p{  
    color:rgb(98, 244, 135)  
}
```

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(98, 244, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 244, 135) }
```

Border

The CSS property to change the border of an element to XYZ 41.7609, 69.0473, 34.0481 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(98, 244, 135) }
```


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

```
.border{ border-color:rgb(98, 244, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 244, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 244, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 244, 135);  
box-shadow:4px 4px 4px 4px rgb(98, 244,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7609, 69.0473, 34.0481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 244, 135) }
```

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

```
.background{ background-color: rgb(98, 244,  
135) }
```

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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