

Converting Colors

XYZ(42.0831, 68.3241, 38.9455)

Have a look what the booklet for
XYZ(42.0831, 68.3241, 38.9455)
contains.

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Color

**XYZ(42.0272, 68.1838,
38.9627)**

Conversions

Conversions Part 1

Format	Color
Hex	61F294
RGB	97, 242, 148
RGB Percent	38%, 95%, 58%
CMY	0.6196, 0.0510, 0.4196
CMYK	0.60, 0.00, 0.39, 0.05
HSL	141°, 85%, 66%
HSV	141°, 60%, 95%
XYZ	42.0272, 68.1838, 38.9627
YIQ	187.9290, -56.2460, -59.9740

Conversions

Conversions Part 2

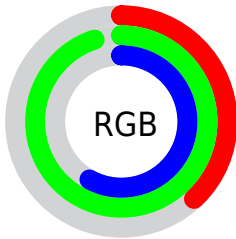
Format	Color
R_{YB}	97, 204, 242
Decimal	6419092
CIE _{Lab}	86.10, -59.16, 34.04
CIE _{LCh}	86, 68.253, 150.083
Yxy	68.1838, 0.2817, 0.4571
Android (android.graphics.Color)	4284609172 (0xFF61F294)
YUV	187.9290, -19.6850, -79.7447
Hunter-Lab	82.5735, -53.6529, 29.8252

Details

The XYZ color **42.0272, 68.1838, 38.9627** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **50.2988, 31.1896, 52.6616**, and the grayscale version is **47.8923, 50.3864, 54.8708**.

A 20% lighter version of the original color is **60.8376, 83.2027, 69.3532**, and **19.5229, 35.5747, 16.9040** is the 20% darker color. If you saturate the color by 10%, you get **38.6725, 66.5902, 32.7576**, and if you desaturate by 10%, it is **46.3400, 70.2557, 46.0943**.

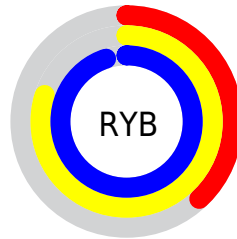
Distribution



Red (38%)

Green (95%)

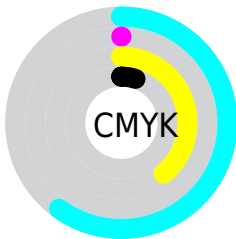
Blue (58%)



Red (38%)

Yellow (80%)

Blue (95%)

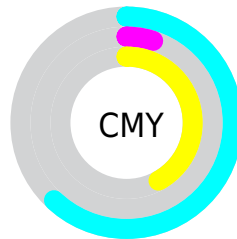


Cyan (60%)

Magenta (0%)

Yellow (39%)

Black (5%)



Cyan (62%)


Magenta (5%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0272, 68.1838, 38.9627 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 42.0272, 68.1838, 38.9627 by changing the saturation by 10% instead.


 42.0272, 68.1838,
38.9627


 42.0272, 68.1838,
38.9627


345.5854,
454.1470, 357.1531

 29.3138, 50.0473,
26.4231


 77.5057, 116.6150,
74.8010


 19.4638, 35.4510,
16.9118

 101.0015,
147.6786, 98.9369

 12.1119, 24.0105,
10.0104


 128.8221,
183.8199, 127.7752

 6.8927, 15.3414,
5.3001

 161.3330,
225.4233, 161.7346

 3.4408, 9.0593,
2.3626

198.8994,
272.8734, 201.2335

 1.3909, 4.7799,
0.7660

241.8867,

 0.2497, 2.1187,

326.5544, 246.6905

0.0000

290.6602,
386.8508, 298.5242

■ 0.0000, 0.6751,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.0272, 68.1838,
38.9627

■ 42.0272, 68.1838,
38.9627

■ 38.6725, 66.5902,
32.7576

■ 46.3400, 70.2557,
46.0943

■ 36.1898, 65.4255,
27.4354


■ 51.6768, 72.8334,
54.1841


■ 34.4856, 64.6444,
22.9557


■ 58.1035, 75.9520,
63.2682


■ 33.4055, 64.1680,
19.2711

■ 65.6787, 79.6413,
73.3791

 33.3978, 64.1646,
19.2438

 74.4569, 83.9285,
84.5481

 84.4889, 88.8393,
96.8049

 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.



50.8367, 68.1838, 21.7829



42.0272, 68.1838, 38.9627



39.0882, 68.1838, 74.3659

Triad

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



42.0272, 68.1838, 38.9627



64.8504, 68.1838, 198.4080



94.5564, 68.1838, 38.8217

Complementary

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



42.0272, 68.1838, 38.9627



50.2988, 31.1896, 52.6616

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.



99.8782, 68.1838, 74.1154



42.0272, 68.1838, 38.9627



81.1266, 68.1838, 176.8391

Square

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



42.0272, 68.1838, 38.9627



50.9012, 68.1838, 177.0626



94.6127, 68.1838, 126.1761



81.0387, 68.1838, 21.7276

Rectangle

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



42.0272, 68.1838, 38.9627



40.4117, 68.1838, 108.0173



94.6127, 68.1838, 126.1761



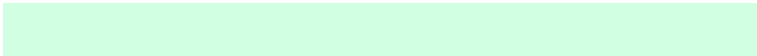
97.4519, 68.1838, 48.3600

Sweetspot

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



42.0289, 68.1866, 38.9643



75.7067, 90.5395, 84.8945



55.4609, 75.4793, 22.9557



15.6264, 19.0972, 17.4198



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.



42.0289, 68.1866, 38.9643



42.8302, 74.6517, 35.4355



49.6354, 71.2292, 79.0192



15.7955, 17.7482, 17.9459



17.9994, 34.4918, 10.6458



1.5429, 2.8876, 1.1254

Inverse Universe

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



50.2988, 31.1896, 52.6616



52.8594, 29.5538, 51.8769



44.2093, 28.7538, 20.5949



16.2044, 15.9315, 18.6328



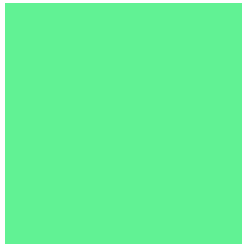
23.0027, 11.4735, 18.4625



1.9606, 0.9733, 1.7832

Previews

White Background



This preview shows how the XYZ color 42.0272, 68.1838, 38.9627 looks on a white background.

Color Contrast Check

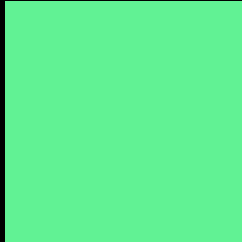
Large Text (above 18pt) WCAG AA × Fail

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 42.0272, 68.1838, 38.9627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

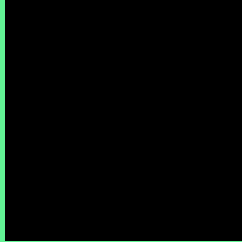
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0272, 68.1838, 38.9627

Background



This preview shows how black text looks on a background with the XYZ color 42.0272, 68.1838, 38.9627.

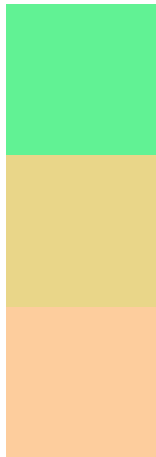


This preview shows how white text looks on a background with the XYZ color 42.0272, 68.1838,

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

42.0272, 68.1838, 38.9627

Protanopia

62.1662, 67.2229, 33.3657

Deuteranopia

68.4251, 66.9796, 41.2203



Tritanopia

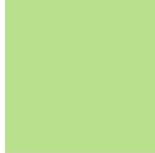
53.9999, 67.8688, 99.8764

Trichromacy



Original Color

42.0272, 68.1838, 38.9627



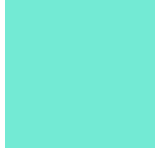
Protanomaly

51.2305, 65.4247, 35.1274



Deuteranomaly

53.6691, 64.2117, 40.1373



Tritanomaly

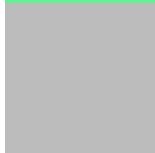
48.3767, 67.2439, 72.7170

Monochromacy



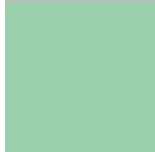
Original Color

42.0272, 68.1838, 38.9627



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.6163, 55.0974, 47.8712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0272, 68.1838, 38.9627 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(97, 242, 148)` looks like.

```
.text, #text, p{  
    color:rgb(97, 242, 148)  
}
```

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(97, 242, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 242, 148) }
```

Border

The CSS property to change the border of an element to XYZ 42.0272, 68.1838, 38.9627 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(97, 242, 148) }
```


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

```
.border{ border-color:rgb(97, 242, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 242, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 242, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 242, 148);  
box-shadow:4px 4px 4px 4px rgb(97, 242,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0272, 68.1838, 38.9627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 242, 148) }
```

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

```
.background{ background-color: rgb(97, 242,  
148) }
```

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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