

Converting Colors

XYZ(38.3605, 60.2323, 42.6349)

Have a look what the booklet for
XYZ(38.3605, 60.2323, 42.6349)
contains.

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Color

**XYZ(38.4029, 60.2490,
42.8629)**

Conversions

Conversions Part 1

Format	Color
Hex	5BE4A0
RGB	91, 228, 160
RGB Percent	36%, 89%, 63%
CMY	0.6431, 0.1059, 0.3725
CMYK	0.60, 0.00, 0.30, 0.11
HSL	150°, 72%, 63%
HSV	150°, 60%, 89%
XYZ	38.4029, 60.2490, 42.8629
YIQ	179.2850, -59.8240, -50.1920

Conversions

Conversions Part 2

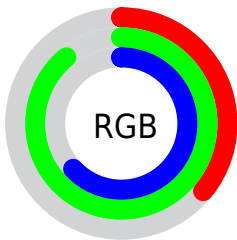
Format	Color
RYB	91, 182, 228
Decimal	6022304
CIELab	81.97, -52.66, 22.34
CIElCh	82, 57.202, 157.011
Yxy	60.2490, 0.2714, 0.4257
Android (android.graphics.Color)	4284212384 (0xFF5BE4A0)
YUV	179.2850, -9.5075, -77.4259
Hunter-Lab	77.6202, -47.5219, 21.5935

Details

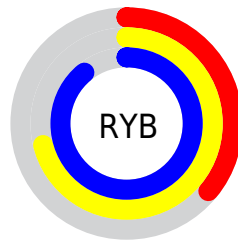
The XYZ color **38.4029, 60.2490, 42.8629** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **41.9959, 26.4806, 35.7007**, and the grayscale version is **43.0731, 45.3162, 49.3494**.

A 20% lighter version of the original color is **60.9746, 83.1017, 77.1165**, and **17.4593, 30.5878, 19.1712** is the 20% darker color. If you saturate the color by 10%, you get **35.5422, 58.8851, 37.7948**, and if you desaturate by 10%, it is **42.0395, 62.0057, 48.4405**.

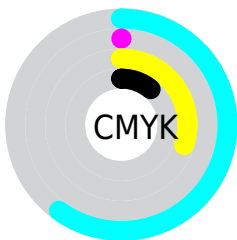
Distribution



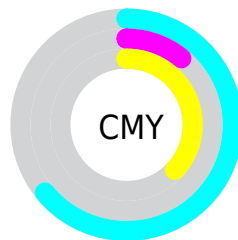
- Red (36%)
- Green (89%)
- Blue (63%)



- Red (36%)
- Yellow (71%)
- Blue (89%)



- Cyan (60%)
- Magenta (0%)
- Yellow (30%)
- Black (11%)





- Cyan (64%)
- Magenta (11%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4029, 60.2490, 42.8629 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 38.4029, 60.2490, 42.8629 by changing the saturation by 10% instead.


 38.4029, 60.2490,
42.8629


 38.4029, 60.2490,
42.8629

330.5962,
425.5150, 373.9523


 26.4742, 43.6194,
29.4470


 72.0252, 105.1908,
80.7881


 17.3132, 30.3714,
19.1707


 94.4495, 134.2717,
106.1344

 10.5548, 20.1206,
11.6156


 121.1029,
168.2719, 136.2945

 5.8334, 12.4828,
6.3632

 152.3510,
207.5757, 171.6871

 2.7837, 7.0734,
2.9948

188.5590,
252.5675, 212.7306

 1.0404, 3.5080,
1.0920

230.0923,

 0.0000, 1.4024,

303.6317, 259.8436

0.0000

277.3163,
361.1527, 313.4447

■ 0.0000, 0.2185,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.4029, 60.2490,
42.8629

■ 38.4029, 60.2490,
42.8629

■ 35.5422, 58.8851,
37.7948

■ 42.0395, 62.0057,
48.4405

■ 33.3863, 57.8728,
33.2164


■ 46.5056, 64.1777,
54.5381


■ 31.8580, 57.1742,
29.1125


■ 51.8552, 66.7942,
61.1712


■ 30.8294, 56.7230,
25.4929


■ 58.1363, 69.8798,
68.3532

 65.3934, 73.4571,
76.0971

 73.6680, 77.5473,
84.4152

 82.9990, 82.1702,
93.3196

 86.3246, 83.6850,
102.4897

 87.0345, 83.9690,
106.2282

Harmonies

Analogous

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



44.3681, 60.2490, 25.4769



38.4029, 60.2490, 42.8629



37.1344, 60.2490, 74.0760

Triad

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



38.4029, 60.2490, 42.8629



60.1523, 60.2490, 156.4703



77.9292, 60.2490, 33.1054

Complementary

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



38.4029, 60.2490, 42.8629



41.9959, 26.4806, 35.7007

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.



83.6056, 60.2490, 57.7983



38.4029, 60.2490, 42.8629



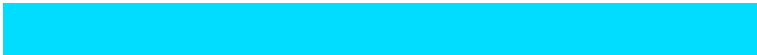
72.4460, 60.2490, 134.5059

Square

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



38.4029, 60.2490, 42.8629



48.6487, 60.2490, 148.0658



81.4694, 60.2490, 95.2240



66.8427, 60.2490, 21.3877

Rectangle

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



38.4029, 60.2490, 42.8629



38.9340, 60.2490, 100.7615



81.4694, 60.2490, 95.2240



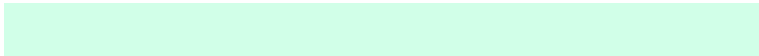
80.5996, 60.2490, 39.7501

Sweetspot

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



38.4045, 60.2514, 42.8643



76.6792, 90.9284, 90.0153



44.0310, 63.6669, 19.8663



15.8622, 19.1916, 18.6620



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.



38.4045, 60.2514, 42.8643



45.0770, 75.5504, 47.2667



46.0633, 63.3149, 83.1949



14.4906, 16.2097, 16.8484



17.8613, 32.7766, 15.0357



1.3668, 2.4408, 1.3581

Inverse Universe

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



41.9959, 26.4806, 35.7007



50.0877, 28.4451, 37.2811



37.6259, 24.7326, 12.6888



14.6738, 14.4867, 16.4826



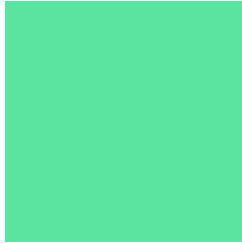
20.2615, 10.2388, 10.2717



1.5441, 0.7754, 1.0059

Previews

White Background



This preview shows how the XYZ color 38.4029, 60.2490, 42.8629 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 38.4029, 60.2490, 42.8629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

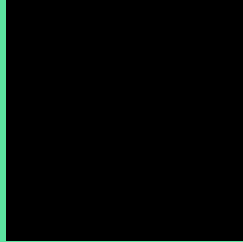
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4029, 60.2490, 42.8629

Background



This preview shows how black text looks on a background with the XYZ color 38.4029, 60.2490, 42.8629.

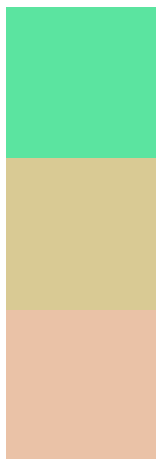


This preview shows how white text looks on a background with the XYZ color 38.4029, 60.2490,

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

38.4029, 60.2490, 42.8629

Protanopia

55.0811, 59.1309, 36.5273

Deuteranopia

60.1985, 58.8660, 44.7487



Tritanopia

47.2820, 59.8438, 88.4159

Trichromacy



Original Color

38.4029, 60.2490, 42.8629



Protanomaly

45.7563, 57.5135, 38.3954



Deuteranomaly

48.0636, 56.7680, 43.5461



Tritanomaly

43.4503, 59.8608, 68.9387

Monochromacy



Original Color

38.4029, 60.2490, 42.8629



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

39.4453, 49.1141, 46.4307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4029, 60.2490, 42.8629 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(91, 228, 160)` looks like.

```
.text, #text, p{  
    color:rgb(91, 228, 160)  
}
```

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(91, 228, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 228, 160) }
```

Border

The CSS property to change the border of an element to XYZ 38.4029, 60.2490, 42.8629 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(91, 228, 160) }
```


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

```
.border{ border-color:rgb(91, 228, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 228, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 228, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 228, 160);  
box-shadow:4px 4px 4px 4px rgb(91, 228,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4029, 60.2490, 42.8629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 228, 160) }
```

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

```
.background{ background-color: rgb(91, 228,  
160) }
```

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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