

Converting Colors

XYZ(38.6995, 59.9135, 45.9411)

Have a look what the booklet for
XYZ(38.6995, 59.9135, 45.9411)
contains.

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Color

**XYZ(38.7585, 59.9523,
46.0884)**

Conversions

Conversions Part 1

Format	Color
Hex	5BE3A7
RGB	91, 227, 167
RGB Percent	36%, 89%, 65%
CMY	0.6431, 0.1098, 0.3451
CMYK	0.60, 0.00, 0.26, 0.11
HSL	154°, 71%, 62%
HSV	154°, 60%, 89%
XYZ	38.7585, 59.9523, 46.0884
YIQ	179.4960, -61.7960, -47.4920

Conversions

Conversions Part 2

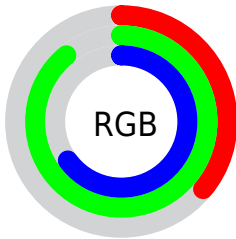
Format	Color
RYB	91, 178, 227
Decimal	6022055
CIELab	81.81, -50.83, 18.48
CIElCh	82, 54.081, 160.025
Yxy	59.9523, 0.2677, 0.4140
Android (android.graphics.Color)	4284212135 (0xFF5BE3A7)
YUV	179.4960, -6.1605, -77.6110
Hunter-Lab	77.4289, -46.1489, 18.9087

Details

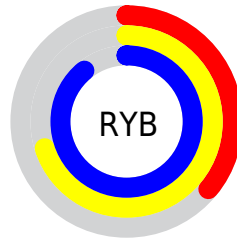
The XYZ color **38.7585, 59.9523, 46.0884** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **41.0075, 26.0488, 32.1469**, and the grayscale version is **43.1694, 45.4176, 49.4597**.

A 20% lighter version of the original color is **61.8937, 83.4693, 81.9563**, and **17.6574, 30.3636, 21.1498** is the 20% darker color. If you saturate the color by 10%, you get **35.9599, 58.6140, 41.3108**, and if you desaturate by 10%, it is **42.3086, 61.6729, 51.2781**.

Distribution



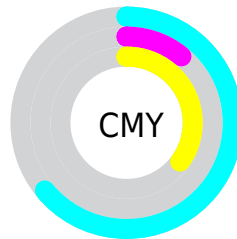
- Red (36%)
- Green (89%)
- Blue (65%)



- Red (36%)
- Yellow (70%)
- Blue (89%)



- Cyan (60%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)



- Cyan (64%)
- Magenta (11%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7585, 59.9523, 46.0884 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 38.7585, 59.9523, 46.0884 by changing the saturation by 10% instead.

 38.7585, 59.9523,
46.0884


 38.7585, 59.9523,
46.0884


332.0875,
424.4219, 387.4518


 26.7518, 43.3802,
31.9664


 72.5657, 104.7605,
85.6870


 17.5225, 30.1835,
21.0712


 95.0969, 133.7653,
112.0006

 10.7053, 19.9779,
12.9843


 121.8669,
167.6832, 143.2152

 5.9349, 12.3790,
7.2872

 153.2412,
206.8985, 179.7494

 2.8458, 7.0023,
3.5612

189.5850,
251.7956, 222.0216

 1.0728, 3.4636,
1.3878

231.2638,

 0.0021, 1.3783,

302.7590, 270.4503

0.1322

278.6428,
360.1730, 325.4543

■ 0.0000, 0.2006,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.7585, 59.9523,
46.0884

■ 38.7585, 59.9523,
46.0884

■ 35.9599, 58.6140,
41.3108

■ 42.3086, 61.6729,
51.2781

■ 33.8433, 57.6176,
36.9298


■ 46.6624, 63.7977,
56.8867


■ 32.3335, 56.9262,
32.9343


■ 51.8724, 66.3553,
62.9258

■ 31.2996, 56.4724,
29.3093

■ 57.9856, 69.3697,
69.4052


 31.2913, 56.4688,
29.2787

 65.0452, 72.8630,
76.3344

 73.0916, 76.8558,
83.7226

 82.1627, 81.3677,
91.5786

 85.5177, 82.9233,
99.5939

 86.7601, 83.4203,
106.1367

Harmonies

Analogous

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



44.0118, 59.9523, 28.0298



38.7585, 59.9523, 46.0884



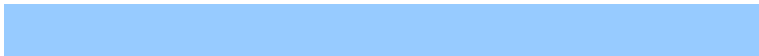
38.0021, 59.9523, 76.8312

Triad

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



38.7585, 59.9523, 46.0884



60.8858, 59.9523, 148.7051



75.4784, 59.9523, 32.6465

Complementary

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



38.7585, 59.9523, 46.0884



41.0075, 26.0488, 32.1469

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.



81.4189, 59.9523, 54.9450



38.7585, 59.9523, 46.0884



72.2807, 59.9523, 126.1455

Square

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



38.7585, 59.9523, 46.0884



49.8152, 59.9523, 143.8770



80.1764, 59.9523, 89.1680



64.8070, 59.9523, 22.2569

Rectangle

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



38.7585, 59.9523, 46.0884



40.0276, 59.9523, 102.0137



80.1764, 59.9523, 89.1680



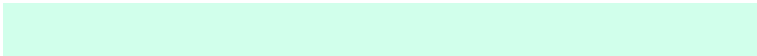
78.1553, 59.9523, 38.6267

Sweetspot

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



38.7601, 59.9547, 46.0898



77.0420, 91.0736, 91.9260



42.3457, 62.3907, 19.7091



15.9507, 19.2270, 19.1278



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.



38.7601, 59.9547, 46.0898



46.0277, 75.9307, 52.2735



43.8271, 59.0641, 81.7664



14.5249, 16.2234, 17.0286



18.3081, 32.9554, 17.3888



1.3995, 2.4539, 1.5301

Inverse Universe

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



41.0075, 26.0488, 32.1469



49.2193, 28.0977, 32.7080



37.9176, 25.7855, 12.8769



14.6398, 14.4731, 16.3037



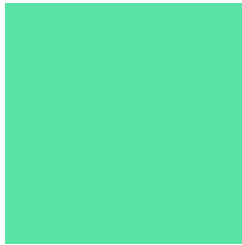
19.8773, 10.0851, 8.2489



1.5149, 0.7637, 0.8522

Previews

White Background



This preview shows how the XYZ color 38.7585, 59.9523, 46.0884 looks on a white background.

Color Contrast Check

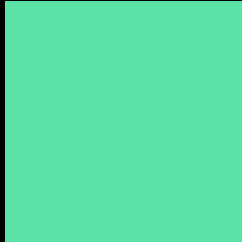
Large Text (above 18pt) WCAG AA × Fail

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 38.7585, 59.9523, 46.0884 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 38.7585, 59.9523, 46.0884

Background



This preview shows how black text looks on a background with the XYZ color 38.7585, 59.9523, 46.0884.



This preview shows how white text looks on a background with the XYZ color 38.7585, 59.9523,

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

38.7585, 59.9523, 46.0884

Protanopia

55.3558, 59.2065, 39.5208

Deuteranopia

59.8868, 58.6285, 48.2045



Tritanopia

47.1512, 59.7763, 88.4097

Trichromacy



Original Color

38.7585, 59.9523, 46.0884



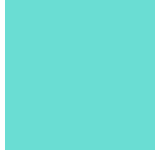
Protanomaly

46.3469, 57.7497, 41.5049



Deuteranomaly

48.2444, 56.7862, 46.9462



Tritanomaly

43.5582, 59.4802, 70.8131

Monochromacy



Original Color

38.7585, 59.9523, 46.0884



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

39.5104, 48.7780, 47.8901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7585, 59.9523, 46.0884 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, 227, 167)` looks like.

```
.text, #text, p{  
    color:rgb(91, 227, 167)  
}
```

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, 227, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 227, 167) }
```

Border

The CSS property to change the border of an element to XYZ 38.7585, 59.9523, 46.0884 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, 227, 167) }
```


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

```
.border{ border-color:rgb(91, 227, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 227, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 227, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 227, 167);  
box-shadow:4px 4px 4px 4px rgb(91, 227,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7585, 59.9523, 46.0884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 227, 167) }
```

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

```
.background{ background-color: rgb(91, 227,  
167) }
```

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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