

Converting Colors

XYZ(38.5349, 51.9043, 45.1054)

Have a look what the booklet for
XYZ(38.5349, 51.9043, 45.1054)
contains.

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Color

**XYZ(38.4993, 51.7951,
45.0141)**

Conversions

Conversions Part 1

Format	Color
Hex	83CEA8
RGB	131, 206, 168
RGB Percent	51%, 81%, 66%
CMY	0.4863, 0.1921, 0.3412
CMYK	0.36, 0.00, 0.18, 0.19
HSL	150°, 43%, 66%
HSV	150°, 36%, 81%
XYZ	38.4993, 51.7951, 45.0141
YIQ	179.2430, -32.5020, -27.7180

Conversions

Conversions Part 2

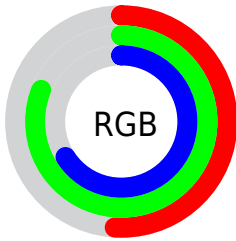
Format	Color
RYB	131, 181, 206
Decimal	8638120
CIELab	77.16, -31.60, 11.63
CIElCh	77, 33.666, 159.797
Yxy	51.7951, 0.2845, 0.3828
Android (android.graphics.Color)	4286828200 (0xFF83CEA8)
YUV	179.2430, -5.5428, -42.3091
Hunter-Lab	71.9688, -30.4579, 13.2942

Details

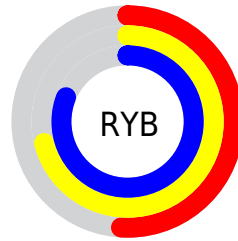
The XYZ color **38.4993, 51.7951, 45.0141** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.7331, 32.2203, 41.6106**, and the grayscale version is **43.0196, 45.2599, 49.2881**.

A 20% lighter version of the original color is **69.3290, 87.2868, 83.0061**, and **17.3609, 25.0139, 20.4361** is the 20% darker color. If you saturate the color by 10%, you get **34.6868, 49.9390, 39.9622**, and if you desaturate by 10%, it is **43.0270, 54.0137, 50.5092**.

Distribution



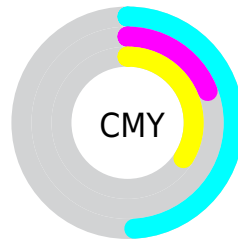
- Red (51%)
- Green (81%)
- Blue (66%)



- Red (51%)
- Yellow (71%)
- Blue (81%)



- Cyan (36%)
- Magenta (0%)
- Yellow (18%)
- Black (19%)





- Cyan (49%)
- Magenta (19%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4993, 51.7951, 45.0141 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 38.4993, 51.7951, 45.0141 by changing the saturation by 10% instead.

 38.4993, 51.7951,
45.0141


 38.4993, 51.7951,
45.0141


331.0010,
393.6451, 382.9925


 26.5494, 36.8418,
31.1255


 72.1718, 92.8290,
84.0602

 17.3699, 25.0850,
20.4352


 94.6251, 119.6783,
110.0549

 10.5955, 16.1404,
12.5246


 121.3102,
151.2618, 140.9219

 5.8608, 9.6236,
6.9751

152.5925,
187.9638, 177.0799

 2.8005, 5.1501,
3.3683

188.8374,
230.1688, 218.9475

 1.0492, 2.3356,
1.2856

230.4102,

 0.0000, 0.7925,

278.2610, 266.9430

0.0500

277.6763,
332.6250, 321.4852

■ 0.0000, 0.0000,
0.0000

■ 38.4993, 51.7951,
45.0141

■ 38.4993, 51.7951,
45.0141

■ 34.6868, 49.9390,
39.9622

■ 43.0270, 54.0137,
50.5092

■ 31.5458, 48.4188,
35.3387

■ 48.3021, 56.6070,
56.4549

■ 29.0338, 47.2143,
31.1328

■ 54.3600, 59.5944,
62.8628

■ 27.1018, 46.3004,
27.3318

■ 61.2322, 62.9920,
69.7431

■ 25.6926, 45.6480,
23.9226

■ 68.9489, 66.8151,
77.1056

■ 24.7340, 45.2199,
20.8904

■ 77.5384, 71.0782,
84.9597

■ 24.4520, 45.0964,
19.8888

■ 79.1995, 71.7594,
92.9483

■ 80.8046, 72.4015,
101.4007

■ 81.3623, 72.6245,
104.3374

Harmonies

Analogous

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



41.7217, 51.7951, 33.3016



38.4993, 51.7951, 45.0141



38.0080, 51.7951, 62.6480

Triad

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



38.4993, 51.7951, 45.0141



51.3669, 51.7951, 99.0568



59.3695, 51.7951, 36.6065

Complementary

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



38.4993, 51.7951, 45.0141



40.7331, 32.2203, 41.6106

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.



62.4676, 51.7951, 50.5745



38.4993, 51.7951, 45.0141



57.5884, 51.7951, 88.2664

Square

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



38.4993, 51.7951, 45.0141



45.0760, 51.7951, 96.6531



61.7888, 51.7951, 69.5511



53.6310, 51.7951, 29.2325

Rectangle

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



38.4993, 51.7951, 45.0141



39.2470, 51.7951, 75.9178



61.7888, 51.7951, 69.5511



60.7760, 51.7951, 40.5454

Sweetspot

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



38.5007, 51.7972, 45.0153



83.2682, 94.1809, 96.8428



42.6934, 54.3019, 29.7046



17.5361, 20.0172, 20.4243



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.



38.5007, 51.7972, 45.0153



57.2634, 81.4259, 66.2155



42.4224, 53.3659, 65.6668



11.2949, 12.6277, 13.1103



15.1050, 27.7873, 12.5036



0.8176, 1.4488, 0.8468

Inverse Universe

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



40.7331, 32.2203, 41.6106



61.4169, 44.9987, 59.8780



37.7534, 31.0284, 25.9196



11.4455, 11.3069, 12.8807



17.2731, 8.7198, 9.1567



0.9294, 0.4652, 0.6741

Previews

White Background



This preview shows how the XYZ color 38.4993, 51.7951, 45.0141 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 38.4993, 51.7951, 45.0141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

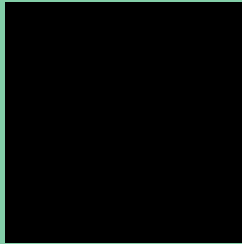
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4993, 51.7951, 45.0141

Background



This preview shows how black text looks on a background with the XYZ color 38.4993, 51.7951, 45.0141.



This preview shows how white text looks on a background with the XYZ color 38.4993, 51.7951,

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

38.4993, 51.7951, 45.0141

Protanopia

48.3622, 51.2126, 40.5938

Deuteranopia

52.2079, 51.1802, 46.6623



Tritanopia

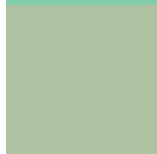
43.8445, 51.5039, 71.9204

Trichromacy



Original Color

38.4993, 51.7951, 45.0141



Protanomaly

43.8052, 50.7885, 42.1447



Deuteranomaly

45.7487, 50.3922, 45.8435



Tritanomaly

41.7948, 51.7216, 61.2065

Monochromacy



Original Color

38.4993, 51.7951, 45.0141



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.8358, 47.1717, 47.5102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4993, 51.7951, 45.0141 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(131, 206, 168)` looks like.

```
.text, #text, p{  
    color:rgb(131, 206, 168)  
}
```

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(131, 206, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 206, 168) }
```

Border

The CSS property to change the border of an element to XYZ 38.4993, 51.7951, 45.0141 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(131, 206, 168) }
```


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

```
.border{ border-color:rgb(131, 206, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 206, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 206, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 206, 168);  
box-shadow:4px 4px 4px 4px rgb(131, 206,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4993, 51.7951, 45.0141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 206, 168) }
```

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

```
.background{ background-color: rgb(131,  
206, 168) }
```

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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