

Converting Colors

XYZ(38.8032, 51.6327, 43.0255)

Have a look what the booklet for
XYZ(38.8032, 51.6327, 43.0255)
contains.

XYZ(38.8487, 51.6613, 43.0461)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.8487, 51.6613,
43.0461)**

Conversions

Conversions Part 1

Format	Color
Hex	89CDA4
RGB	137, 205, 164
RGB Percent	54%, 80%, 64%
CMY	0.4627, 0.1961, 0.3569
CMYK	0.33, 0.00, 0.20, 0.20
HSL	144°, 40%, 67%
HSV	144°, 33%, 80%
XYZ	38.8487, 51.6613, 43.0461
YIQ	179.9940, -27.3670, -27.1670

Conversions

Conversions Part 2

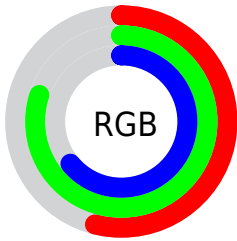
Format	Color
RYB	137, 186, 205
Decimal	9031076
CIELab	77.08, -30.13, 13.69
CIELCh	77, 33.098, 155.564
Yxy	51.6613, 0.2909, 0.3868
Android (android.graphics.Color)	4287221156 (0xFF89CDA4)
YUV	179.9940, -7.8850, -37.7057
Hunter-Lab	71.8758, -29.3038, 14.8045

Details

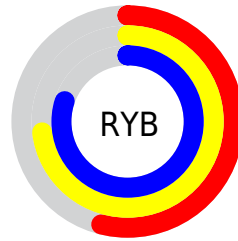
The XYZ color **38.8487, 51.6613, 43.0461** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.1601, 34.0860, 46.4787**, and the grayscale version is **43.4318, 45.6937, 49.7604**.

A 20% lighter version of the original color is **70.2844, 87.8409, 80.2685**, and **17.4871, 24.8674, 19.2074** is the 20% darker color. If you saturate the color by 10%, you get **34.7397, 49.6672, 37.3076**, and if you desaturate by 10%, it is **43.7075, 54.0322, 49.3883**.

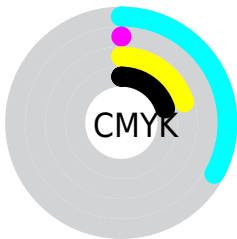
Distribution



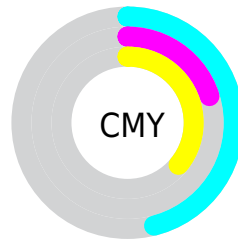
- Red (54%)
- Green (80%)
- Blue (64%)



- Red (54%)
- Yellow (73%)
- Blue (80%)



- Cyan (33%)
- Magenta (0%)
- Yellow (20%)
- Black (20%)




- Cyan (46%)
- Magenta (20%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8487, 51.6613, 43.0461 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 38.8487, 51.6613, 43.0461 by changing the saturation by 10% instead.

 38.8487, 51.6613,
43.0461


 38.8487, 51.6613,
43.0461


332.4651,
393.1276, 374.7281


 26.8222, 36.7352,
29.5896

 72.7027, 92.6315,
81.0675

 17.5757, 25.0025,
19.2779


 95.2609, 119.4444,
106.4696

 10.7436, 16.0789,
11.6924


 122.0604,
150.9884, 136.6905

 5.9607, 9.5800,
6.4146

153.4666,
187.6478, 172.1489

 2.8616, 5.1214,
3.0260

189.8448,
229.8070, 213.2634

 1.0810, 2.3187,
1.1079

231.5604,

 0.0091, 0.7836,

277.8505, 260.4523

0.0000

278.9787,
332.1625, 314.1344

■ 0.0000, 0.0000,
0.0000

■ 38.8487, 51.6613,
43.0461

■ 38.8487, 51.6613,
43.0461

■ 34.7397, 49.6672,
37.3076

■ 43.7075, 54.0322,
49.3883

■ 31.3370, 48.0237,
32.1515

■ 49.3483, 56.7919,
56.3479

■ 28.5987, 46.7108,
27.5600


■ 55.8063, 59.9598,
63.9424


■ 26.4770, 45.7044,
23.5132


■ 63.1135, 63.5518,
72.1876


■ 24.9167, 44.9764,
19.9900


■ 71.3000, 67.5834,
81.0988

 23.8519, 44.4933,
16.9675

 78.5294, 71.1074,
90.6034

 23.3324, 44.2646,
15.1769

 80.4104, 71.8598,
100.5088

 81.1223, 72.1445,
104.2574

Harmonies

Analogous

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



42.3682, 51.6613, 32.4227



38.8487, 51.6613, 43.0461



37.9731, 51.6613, 59.6927

Triad

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



38.8487, 51.6613, 43.0461



50.2902, 51.6613, 98.4878



59.6665, 51.6613, 38.3390

Complementary

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



38.8487, 51.6613, 43.0461



42.1601, 34.0860, 46.4787

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.



62.2182, 51.6613, 52.9430



38.8487, 51.6613, 43.0461



56.5152, 51.6613, 89.5781

Square

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



38.8487, 51.6613, 43.0461



44.2449, 51.6613, 94.2591



61.0183, 51.6613, 71.9115



54.3033, 51.6613, 30.1413

Rectangle

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



38.8487, 51.6613, 43.0461



38.9352, 51.6613, 72.6452



61.0183, 51.6613, 71.9115



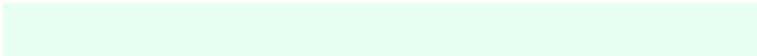
60.9016, 51.6613, 42.5288

Sweetspot

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



38.8501, 51.6634, 43.0473



83.9053, 94.5294, 95.9698



44.9235, 55.0468, 31.9250



17.6481, 20.0807, 20.1711



0.0000, 0.0000, 0.0000



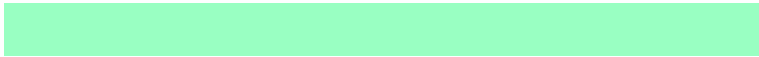
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.8501, 51.6634, 43.0473



58.5783, 82.1649, 63.5163



42.2352, 53.0175, 60.8730



11.2495, 12.6095, 12.8711



14.5686, 27.5727, 9.6792



0.7887, 1.4373, 0.6948

Inverse Universe

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



42.1601, 34.0860, 46.4787



64.8330, 48.9232, 69.9805



39.2297, 32.9139, 31.0473



11.4916, 11.3254, 13.1233



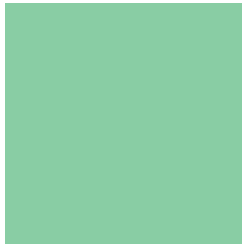
17.9708, 8.9989, 12.8310



0.9639, 0.4790, 0.8556

Previews

White Background



This preview shows how the XYZ color 38.8487, 51.6613, 43.0461 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 38.8487, 51.6613, 43.0461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

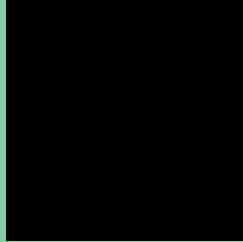
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8487, 51.6613, 43.0461

Background



This preview shows how black text looks on a background with the XYZ color 38.8487, 51.6613, 43.0461.



This preview shows how white text looks on a background with the XYZ color 38.8487, 51.6613,

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

38.8487, 51.6613, 43.0461

Protanopia

48.0178, 51.0749, 38.7801

Deuteranopia

52.1192, 51.1786, 44.6676



Tritanopia

44.3643, 51.4463, 71.2102

Trichromacy



Original Color

38.8487, 51.6613, 43.0461

Protanomaly

43.9046, 50.8805, 40.3078

Deuteranomaly

46.0994, 50.6164, 43.8995

Tritanomaly

42.1781, 51.5985, 59.9610

Monochromacy



Original Color

38.8487, 51.6613, 43.0461

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.1474, 47.3437, 47.0139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8487, 51.6613, 43.0461 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(137, 205, 164)` looks like.

```
.text, #text, p{  
    color:rgb(137, 205, 164)  
}
```

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(137, 205, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 205, 164) }
```

Border

The CSS property to change the border of an element to XYZ 38.8487, 51.6613, 43.0461 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(137, 205, 164) }
```


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

```
.border{ border-color:rgb(137, 205, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 205, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 205, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 205, 164); box-shadow:4px 4px 4px 4px rgb(137, 205, 164) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8487, 51.6613, 43.0461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 205, 164) }
```

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

```
.background{ background-color: rgb(137,  
205, 164) }
```

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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