

Converting Colors

XYZ(39.2868, 54.6790, 43.7793)

Have a look what the booklet for
XYZ(39.2868, 54.6790, 43.7793)
contains.

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Color

**XYZ(39.3972, 54.8580,
43.6342)**

Conversions

Conversions Part 1

Format	Color
Hex	80D5A4
RGB	128, 213, 164
RGB Percent	50%, 84%, 64%
CMY	0.4980, 0.1647, 0.3569
CMYK	0.40, 0.00, 0.23, 0.16
HSL	145°, 50%, 67%
HSV	145°, 40%, 84%
XYZ	39.3972, 54.8580, 43.6342
YIQ	181.9990, -34.9310, -33.2590

Conversions

Conversions Part 2

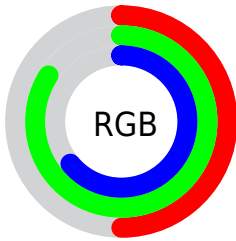
Format	Color
RYB	128, 188, 213
Decimal	8443300
CIELab	78.96, -36.51, 16.27
CIElCh	79, 39.967, 155.977
Yxy	54.8580, 0.2857, 0.3978
Android (android.graphics.Color)	4286633380 (0xFF80D5A4)
YUV	181.9990, -8.8735, -47.3571
Hunter-Lab	74.0662, -34.6683, 16.9171

Details

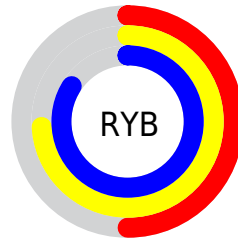
The XYZ color **39.3972, 54.8580, 43.6342** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.0974, 32.7601, 45.6490**, and the grayscale version is **44.5245, 46.8432, 51.0123**.

A 20% lighter version of the original color is **68.3133, 86.8248, 80.1762**, and **17.8991, 27.0400, 19.6051** is the 20% darker color. If you saturate the color by 10%, you get **35.4676, 52.9558, 37.9389**, and if you desaturate by 10%, it is **44.1093, 57.1543, 49.9274**.

Distribution



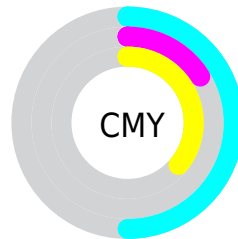
- Red (50%)
- Green (84%)
- Blue (64%)



- Red (50%)
- Yellow (74%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (23%)
- Black (16%)



- Cyan (50%)
- Magenta (16%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3972, 54.8580, 43.6342 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 39.3972, 54.8580, 43.6342 by changing the saturation by 10% instead.

■ 39.3972, 54.8580,
43.6342

■ 39.3972, 54.8580,
43.6342

334.7544,
405.3734, 377.2110

■ 27.2510, 39.2880,
30.0480

■ 73.5349, 97.3329,
81.9636

■ 17.8994, 26.9839,
19.6226

■ 96.2571, 125.0066,
107.5439

■ 10.9770, 17.5611,
11.9397

■ 123.2353,
157.4837, 137.9592

■ 6.1186, 10.6354,
6.5806

154.8349,
195.1485, 173.6282

■ 2.9587, 5.8222,
3.1268

191.4213,
238.3855, 214.9693

■ 1.1319, 2.7373,
1.1597

233.3598,

■ 0.0516, 0.9962,

287.5791, 262.4011

0.0000

281.0157,
343.1136, 316.3422

■ 0.0000, 0.0000,
0.0000

■ 39.3972, 54.8580,
43.6342

■ 39.3972, 54.8580,
43.6342

■ 35.4676, 52.9558,
37.9389

■ 44.1093, 57.1543,
49.9274

■ 32.2708, 51.4177,
32.8200

■ 49.6411, 59.8590,
56.8320

■ 29.7576, 50.2205,
28.2599

■ 56.0328, 62.9939,
64.3654


■ 27.8710, 49.3349,
24.2386


■ 63.3203, 66.5773,
72.5435

■ 26.5436, 48.7268,
20.7346


■ 71.5377, 70.6264,
81.3813

 25.6571, 48.3355,
17.7232

 80.4205, 75.0046,
90.8796

 25.6497, 48.3323,
17.6972

 82.2838, 75.7499,
100.6915

 83.0852, 76.0705,
104.9117

Harmonies

Analogous

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



43.6729, 54.8580, 30.8643



39.3972, 54.8580, 43.6342



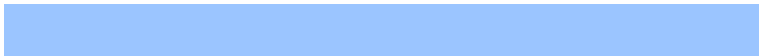
38.3775, 54.8580, 64.4029

Triad

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



39.3972, 54.8580, 43.6342



53.7476, 54.8580, 114.6539



65.5038, 54.8580, 37.5425

Complementary

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



39.3972, 54.8580, 43.6342



43.0974, 32.7601, 45.6490

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.



68.8548, 54.8580, 55.2907



39.3972, 54.8580, 43.6342



61.6383, 54.8580, 102.5840

Square

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



39.3972, 54.8580, 43.6342



46.1668, 54.8580, 109.2562



67.3731, 54.8580, 79.3673



58.6094, 54.8580, 28.0231

Rectangle

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



39.3972, 54.8580, 43.6342



39.5801, 54.8580, 81.0129



67.3731, 54.8580, 79.3673



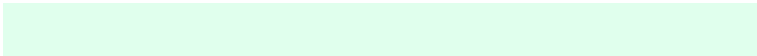
67.1122, 54.8580, 42.5465

Sweetspot

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



39.3987, 54.8603, 43.6354



81.9633, 93.5668, 94.1368



45.9570, 58.5652, 29.3048



17.2643, 19.8901, 19.8236



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.



39.3987, 54.8603, 43.6354



54.0676, 79.9532, 58.1717



43.8286, 56.6322, 66.9630



12.4785, 13.9824, 14.3341



15.7160, 29.5417, 11.0661



0.9888, 1.7982, 0.8828

Inverse Universe

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



43.0974, 32.7601, 45.6490



60.3716, 42.2452, 61.5730



39.5404, 31.3373, 26.9180



12.7203, 12.5396, 14.4675



18.9898, 9.5323, 12.5165



1.1864, 0.5913, 0.9708

Previews

White Background



This preview shows how the XYZ color 39.3972, 54.8580, 43.6342 looks on a white background.

Color Contrast Check

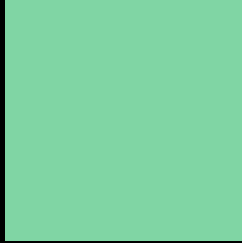
Large Text (above 18pt) WCAG AA × Fail

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 39.3972, 54.8580, 43.6342 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

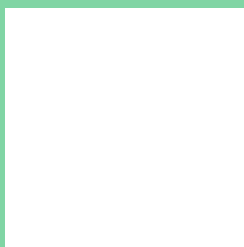
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.3972, 54.8580, 43.6342

Background



This preview shows how black text looks on a background with the XYZ color 39.3972, 54.8580, 43.6342.

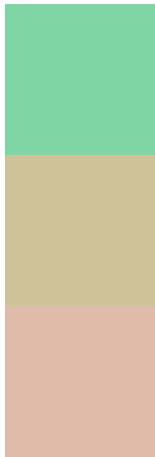


This preview shows how white text looks on a background with the XYZ color 39.3972, 54.8580,

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

39.3972, 54.8580, 43.6342

Protanopia

50.9403, 54.2155, 38.7901

Deuteranopia

55.1502, 53.9725, 45.5412



Tritanopia

46.0006, 54.5993, 77.2215

Trichromacy



Original Color

39.3972, 54.8580, 43.6342



Protanomaly

45.4183, 53.7069, 40.3204



Deuteranomaly

47.5468, 52.9984, 44.7695



Tritanomaly

43.2518, 54.5630, 63.5104

Monochromacy



Original Color

39.3972, 54.8580, 43.6342



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

41.7081, 48.9165, 47.8010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3972, 54.8580, 43.6342 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(128, 213, 164)` looks like.

```
.text, #text, p{  
    color:rgb(128, 213, 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(128, 213, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 213, 164) }
```

Border

The CSS property to change the border of an element to XYZ 39.3972, 54.8580, 43.6342 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(128, 213, 164) }
```


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

```
.border{ border-color:rgb(128, 213, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 213, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 213, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 213, 164);  
box-shadow:4px 4px 4px 4px rgb(128, 213,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3972, 54.8580, 43.6342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 213, 164) }
```

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

```
.background{ background-color: rgb(128,  
213, 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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