

Converting Colors

XYZ(39.3678, 60.6350, 40.1790)

Have a look what the booklet for
XYZ(39.3678, 60.6350, 40.1790)
contains.

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Color

**XYZ(39.5200, 60.8841,
40.2407)**

Conversions

Conversions Part 1

Format	Color
Hex	6AE49A
RGB	106, 228, 154
RGB Percent	42%, 89%, 60%
CMY	0.5843, 0.1059, 0.3961
CMYK	0.54, 0.00, 0.32, 0.11
HSL	144°, 69%, 65%
HSV	144°, 54%, 89%
XYZ	39.5200, 60.8841, 40.2407
YIQ	183.0860, -48.9580, -48.8780

Conversions

Conversions Part 2

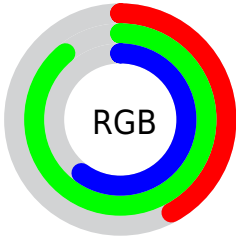
Format	Color
RYB	106, 194, 228
Decimal	7005338
CIELab	82.32, -50.59, 25.98
CIELCh	82, 56.871, 152.813
Yxy	60.8841, 0.2810, 0.4329
Android (android.graphics.Color)	4285195418 (0xFF6AE49A)
YUV	183.0860, -14.3394, -67.6044
Hunter-Lab	78.0283, -46.1422, 24.0428

Details

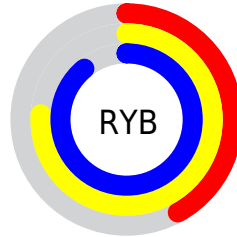
The XYZ color **39.5200, 60.8841, 40.2407** is a light color, and the websafe version is hex **33CC99**. A complement of this color would be **45.3891, 30.0986, 46.5996**, and the grayscale version is **45.1537, 47.5052, 51.7332**.

A 20% lighter version of the original color is **62.7857, 84.1228, 73.2498**, and **18.0259, 30.9155, 17.5876** is the 20% darker color. If you saturate the color by 10%, you get **36.0760, 59.2358, 34.4099**, and if you desaturate by 10%, it is **43.8201, 62.9617, 46.8071**.

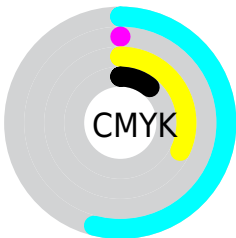
Distribution



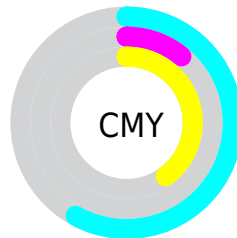
- Red (42%)
- Green (89%)
- Blue (60%)



- Red (42%)
- Yellow (76%)
- Blue (89%)



- Cyan (54%)
- Magenta (0%)
- Yellow (32%)
- Black (11%)





- Cyan (58%)
- Magenta (11%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5200, 60.8841, 40.2407 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 39.5200, 60.8841, 40.2407 by changing the saturation by 10% instead.


 39.5200, 60.8841,
40.2407


 39.5200, 60.8841,
40.2407


335.2655,
427.8489, 362.7193


 27.3470, 44.1316,
27.4111


 73.7210, 106.1111,
76.7710

 17.9720, 30.7740,
17.6470


 96.4798, 135.3544,
101.3087

 11.0294, 20.4268,
10.5300

 123.4979,
169.5302, 130.5862

 6.1541, 12.7057,
5.6416

155.1407,
209.0227, 165.0220

 2.9805, 7.2262,
2.5632

191.7734,
254.2165, 205.0347

 1.1435, 3.6040,
0.8734

233.7616,

 0.0610, 1.4546,

305.4958, 251.0428

0.0000

281.4705,
363.2452, 303.4648

■ 0.0000, 0.2564,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.5200, 60.8841,
40.2407

■ 39.5200, 60.8841,
40.2407

■ 36.0760, 59.2358,
34.4099

■ 43.8201, 62.9617,
46.8071

■ 33.4204, 57.9775,
29.2840

■ 49.0279, 65.4897,
54.1298


■ 31.4825, 57.0749,
24.8365


■ 55.1962, 68.4966,
62.2339


■ 30.1753, 56.4838,
21.0370


■ 62.3724, 72.0064,
71.1419

 29.5775, 56.2223,
18.9003

 70.6008, 76.0413,
80.8757

 79.9227, 80.6224,
91.4560

 86.3674, 83.7023,
102.7152

 87.0346, 83.9691,
106.2282

Harmonies

Analogous

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



46.1393, 60.8841, 24.5408



39.5200, 60.8841, 40.2407



37.5783, 60.8841, 69.6207

Triad

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



39.5200, 60.8841, 40.2407



59.0193, 60.8841, 157.7623



79.7408, 60.8841, 36.3105

Complementary

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



39.5200, 60.8841, 40.2407



45.3891, 30.0986, 46.5996

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.



84.3969, 60.8841, 63.0719



39.5200, 60.8841, 40.2407



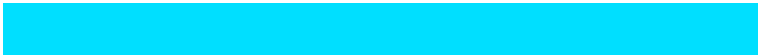
71.4339, 60.8841, 139.6688

Square

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



39.5200, 60.8841, 40.2407



47.8630, 60.8841, 145.1190



81.1648, 60.8841, 101.6907



69.1795, 60.8841, 22.8912

Rectangle

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



39.5200, 60.8841, 40.2407



38.9400, 60.8841, 95.6736



81.1648, 60.8841, 101.6907



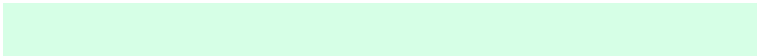
82.1102, 60.8841, 43.6417

Sweetspot

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



39.5216, 60.8866, 40.2421



77.8683, 91.5736, 88.6201



49.4578, 66.3822, 23.8426



16.2490, 19.3960, 18.4530



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.



39.5216, 60.8866, 40.2421



46.1552, 76.1856, 43.7291



45.7970, 63.3967, 73.2879



14.4230, 16.1826, 16.4921



17.1328, 32.4852, 11.1995



1.3107, 2.4184, 1.0626

Inverse Universe

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



45.3891, 30.0986, 46.5996



54.4308, 32.6321, 52.5996



40.5550, 28.1650, 21.1433



14.7424, 14.5141, 16.8436



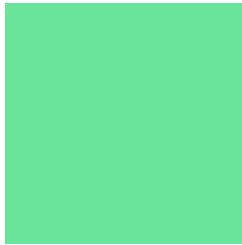
21.1963, 10.6127, 15.1946



1.6117, 0.8024, 1.3617

Previews

White Background



This preview shows how the XYZ color 39.5200, 60.8841, 40.2407 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 39.5200, 60.8841, 40.2407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

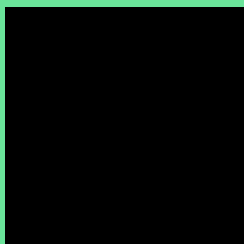
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

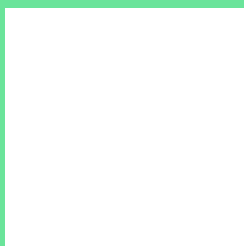
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.5200, 60.8841, 40.2407

Background



This preview shows how black text looks on a background with the XYZ color 39.5200, 60.8841, 40.2407.



This preview shows how white text looks on a background with the XYZ color 39.5200, 60.8841,

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

39.5200, 60.8841, 40.2407

Protanopia

55.5273, 59.7551, 34.5939

Deuteranopia

60.8732, 59.6079, 42.0153



Tritanopia

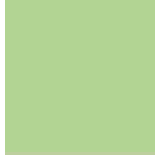
48.9689, 60.7302, 87.7384

Trichromacy



Original Color

39.5200, 60.8841, 40.2407



Protanomaly

47.1700, 58.6585, 36.4399



Deuteranomaly

49.4706, 57.9131, 40.9187



Tritanomaly

45.0076, 60.6919, 67.7351

Monochromacy



Original Color

39.5200, 60.8841, 40.2407



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

41.3874, 50.7940, 46.6526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5200, 60.8841, 40.2407 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(106, 228, 154)` looks like.

```
.text, #text, p{  
    color:rgb(106, 228, 154)  
}
```

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(106, 228, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 228, 154) }
```

Border

The CSS property to change the border of an element to XYZ 39.5200, 60.8841, 40.2407 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(106, 228, 154) }
```


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

```
.border{ border-color:rgb(106, 228, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 228, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 228, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 228, 154);  
box-shadow:4px 4px 4px 4px rgb(106, 228,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5200, 60.8841, 40.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 228, 154) }
```

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

```
.background{ background-color: rgb(106,  
228, 154) }
```

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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