

Converting Colors

XYZ(39.2978, 64.5470, 43.6961)

Have a look what the booklet for
XYZ(39.2978, 64.5470, 43.6961)
contains.

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Color

**XYZ(39.2279, 64.4460,
43.6295)**

Conversions

Conversions Part 1

Format	Color
Hex	47EDA0
RGB	71, 237, 160
RGB Percent	28%, 93%, 63%
CMY	0.7215, 0.0706, 0.3725
CMYK	0.70, 0.00, 0.32, 0.07
HSL	152°, 82%, 60%
HSV	152°, 70%, 93%
XYZ	39.2279, 64.4460, 43.6295
YIQ	178.5880, -74.2190, -59.1390

Conversions

Conversions Part 2

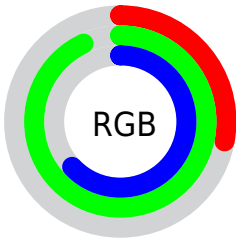
Format	Color
RYB	71, 179, 237
Decimal	4713888
CIELab	84.20, -59.62, 25.31
CIElCh	84, 64.767, 156.999
Yxy	64.4460, 0.2663, 0.4375
Android (android.graphics.Color)	4282903968 (0xFF47EDA0)
YUV	178.5880, -9.1639, -94.3547
Hunter-Lab	80.2783, -53.2631, 23.9720

Details

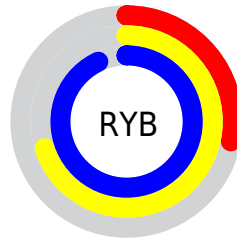
The XYZ color **39.2279, 64.4460, 43.6295** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **42.5257, 24.6506, 30.5364**, and the grayscale version is **42.7056, 44.9297, 48.9284**.

A 20% lighter version of the original color is **58.5070, 81.8296, 77.0010**, and **19.0280, 33.7252, 19.6941** is the 20% darker color. If you saturate the color by 10%, you get **36.8972, 63.3525, 38.7209**, and if you desaturate by 10%, it is **42.3244, 65.9279, 49.0208**.

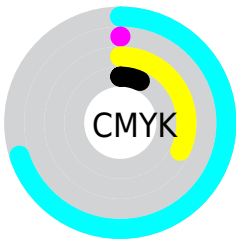
Distribution



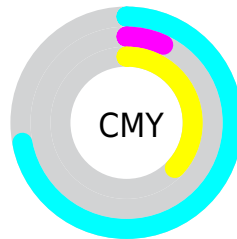
- Red (28%)
- Green (93%)
- Blue (63%)



- Red (28%)
- Yellow (70%)
- Blue (93%)



- Cyan (70%)
- Magenta (0%)
- Yellow (32%)
- Black (7%)





- Cyan (72%)
- Magenta (7%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2279, 64.4460, 43.6295 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 39.2279, 64.4460, 43.6295 by changing the saturation by 10% instead.


 39.2279, 64.4460,
43.6295


 39.2279, 64.4460,
43.6295


334.0490,
440.7985, 377.1912


 27.1186, 47.0120,
30.0443


 73.2782, 111.2530,
81.9565


 17.7994, 33.0451,
19.6199


 95.9499, 141.3948,
107.5353

 10.9048, 22.1610,
11.9377


 122.8731,
176.5413, 137.9491

 6.0697, 13.9753,
6.5792

 154.4131,
217.0769, 173.6164

 2.9286, 8.1035,
3.1260

190.9354,
263.3861, 214.9557

 1.1161, 4.1612,
1.1593

232.8052,

 0.0385, 1.7642,

315.8531, 262.3856

0.0000

280.3879,
374.8624, 316.3246

0.0000, 0.4647,
0.0000

0.0000, 0.0000,
0.0000

39.2279, 64.4460,
43.6295

39.2279, 64.4460,
43.6295

36.8972, 63.3525,
38.7209

42.3244, 65.9279,
49.0208

35.2412, 62.5954,
34.2750


46.2542, 67.8277,
54.9048


34.1204, 62.1047,
30.2901

51.0827, 70.1804,
61.2965


56.8671, 73.0153,
68.2089

 63.6597, 76.3592,
75.6544

 71.5088, 80.2369,
83.6450

 80.4597, 84.6713,
92.1921

 88.4613, 88.6051,
101.2089

 89.5753, 89.0507,
107.0751

Harmonies

Analogous

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



46.1215, 64.4460, 24.1289



39.2279, 64.4460, 43.6295



37.7712, 64.4460, 80.2342

Triad

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



39.2279, 64.4460, 43.6295



64.6738, 64.4460, 181.2694



86.0036, 64.4460, 32.5850

Complementary

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



39.2279, 64.4460, 43.6295



42.5257, 24.6506, 30.5364

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.



92.8792, 64.4460, 60.9861



39.2279, 64.4460, 43.6295



79.3799, 64.4460, 153.9573

Square

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



39.2279, 64.4460, 43.6295



51.1048, 64.4460, 170.7736



90.2833, 64.4460, 105.7470



72.6651, 64.4460, 19.7096

Rectangle

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



39.2279, 64.4460, 43.6295



39.8348, 64.4460, 112.4440



90.2833, 64.4460, 105.7470



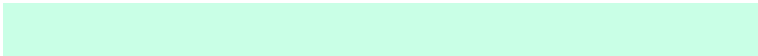
89.2349, 64.4460, 40.0937

Sweetspot

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



39.2296, 64.4486, 43.6310



74.2740, 89.7221, 88.3841



43.7210, 67.3656, 16.6606



15.4032, 18.9606, 18.3865



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.



39.2296, 64.4486, 43.6310



42.6368, 74.3754, 43.4014



46.5934, 64.8701, 90.1892



15.2060, 16.9972, 17.7674



18.6948, 33.9324, 16.8899



1.5165, 2.6839, 1.5818

Inverse Universe

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



42.5257, 24.6506, 30.5364



46.7715, 24.7303, 27.1813



38.6855, 23.7036, 8.4983



15.3562, 15.1703, 17.1610



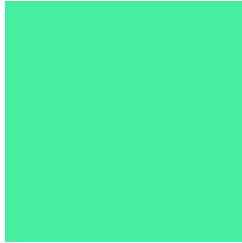
20.6674, 10.4696, 9.3156



1.6710, 0.8414, 0.9850

Previews

White Background



This preview shows how the XYZ color 39.2279, 64.4460, 43.6295 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 39.2279, 64.4460, 43.6295 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

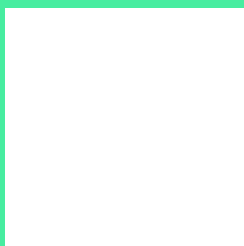
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.2279, 64.4460, 43.6295

Background



This preview shows how black text looks on a background with the XYZ color 39.2279, 64.4460, 43.6295.

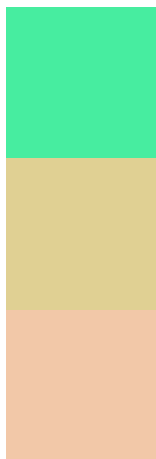


This preview shows how white text looks on a background with the XYZ color 39.2279, 64.4460,

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

39.2279, 64.4460, 43.6295

Protanopia

58.5628, 63.0656, 36.6901

Deuteranopia

64.3401, 63.0130, 45.8174



Tritanopia

49.5035, 63.9885, 96.1281

Trichromacy



Original Color

39.2279, 64.4460, 43.6295



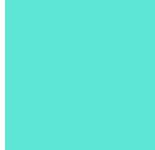
Protanomaly

47.1475, 61.2549, 39.0442



Deuteranomaly

49.4082, 60.0084, 44.5760



Tritanomaly

44.9486, 63.7758, 73.5593

Monochromacy



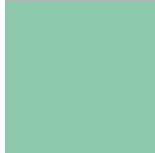
Original Color

39.2279, 64.4460, 43.6295



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

38.9159, 49.8626, 46.6031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2279, 64.4460, 43.6295 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(71, 237, 160)` looks like.

```
.text, #text, p{  
    color:rgb(71, 237, 160)  
}
```

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(71, 237, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 237, 160) }
```

Border

The CSS property to change the border of an element to XYZ 39.2279, 64.4460, 43.6295 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(71, 237, 160) }
```


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

```
.border{ border-color:rgb(71, 237, 160) }
```

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

Here you see how a box with a 4 pixel rgb(71, 237, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 237, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 237, 160);  
box-shadow:4px 4px 4px 4px rgb(71, 237,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2279, 64.4460, 43.6295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 237, 160) }
```

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

```
.background{ background-color: rgb(71, 237,  
160) }
```

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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