

Converting Colors

XYZ(39.8484, 43.0972, 77.3882)

Have a look what the booklet for
XYZ(39.8484, 43.0972, 77.3882)
contains.

XYZ(39.9035, 43.2297, 77.4752)	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(39.9035, 43.2297,
77.4752)**

Conversions

Conversions Part 1

Format	Color
Hex	87B4E1
RGB	135, 180, 225
RGB Percent	53%, 71%, 88%
CMY	0.4706, 0.2941, 0.1176
CMYK	0.40, 0.20, 0.00, 0.12
HSL	210°, 60%, 71%
HSV	210°, 40%, 88%
XYZ	39.9035, 43.2297, 77.4752
YIQ	171.6750, -41.2650, 4.4550

Conversions

Conversions Part 2

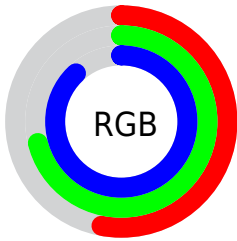
Format	Color
RYB	135, 165, 225
Decimal	8893665
CIELab	71.71, -3.67, -27.33
CIElCh	72, 27.572, 262.351
Yxy	43.2297, 0.2485, 0.2692
Android (android.graphics.Color)	4287083745 (0xFF87B4E1)
YUV	171.6750, 26.2892, -32.1640
Hunter-Lab	65.7493, -6.7289, -23.8394

Details

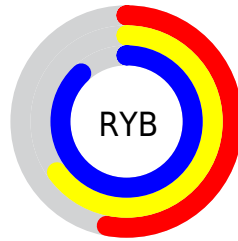
The XYZ color **39.9035, 43.2297, 77.4752** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.7466, 50.4001, 29.9238**, and the grayscale version is **38.9361, 40.9638, 44.6096**.

A 20% lighter version of the original color is **69.5313, 78.2873, 106.0540**, and **18.1533, 19.7865, 40.8926** is the 20% darker color. If you saturate the color by 10%, you get **34.4792, 37.1985, 76.5977**, and if you desaturate by 10%, it is **46.2799, 50.0273, 78.4520**.

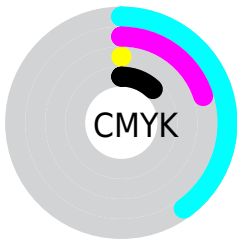
Distribution



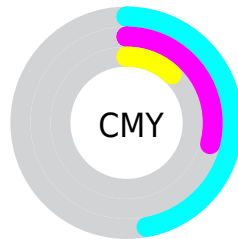
- Red (53%)
- Green (71%)
- Blue (88%)



- Red (53%)
- Yellow (65%)
- Blue (88%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)
- Black (12%)



- Cyan (47%)
- Magenta (29%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9035, 43.2297, 77.4752 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 39.9035, 43.2297, 77.4752 by changing the saturation by 10% instead.

■ 39.9035, 43.2297,
77.4752

■ 39.9035, 43.2297,
77.4752

336.8581,
359.5556, 505.8633

■ 27.6472, 30.0654,
57.1291

■ 74.3018, 80.0574,
131.5892

■ 18.1990, 19.8882,
40.6988

■ 97.1745, 104.4895,
166.1941

■ 11.1935, 12.3138,
27.7659

■ 124.3168,
133.4464, 206.3891

■ 6.2654, 6.9578,
17.9118

156.0939,
167.3124, 252.5927

■ 3.0493, 3.4357,
10.7179

192.8712,
206.4719, 305.2233

■ 1.1799, 1.3632,
5.7657

235.0141,

■ 0.0904, 0.1894,

251.3094, 364.6996

2.6367

282.8879,
302.2091, 431.4401

■ 0.0000, 0.0000,
0.9113

■ 0.0000, 0.0000,
0.0000

■ 39.9035, 43.2297,
77.4752

■ 39.9035, 43.2297,
77.4752

■ 34.4792, 37.1985,
76.5977

■ 46.2799, 50.0273,
78.4520

■ 29.9499, 31.8949,
75.8127

■ 53.6527, 57.6175,
79.5284

■ 26.2582, 27.2836,
75.1173

■ 62.0684, 66.0313,
80.7089

■ 23.3376, 23.3234,
74.5068

■ 71.5692, 75.2962,
81.9965

■ 21.1097, 19.9665,
73.9763

■ 82.1947, 85.4385,
83.3941

■ 19.4408, 17.1363,
73.5180

■ 88.2453, 93.5253,
84.6361

■ 19.4406, 17.1360,
73.5179

■ 90.5908, 98.2163,
85.4179

Harmonies

Analogous

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



35.8384, 43.2297, 70.5387



39.9035, 43.2297, 77.4752



44.6028, 43.2297, 75.1224

Triad

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



39.9035, 43.2297, 77.4752



49.9763, 43.2297, 37.9424



34.3739, 43.2297, 33.0299

Complementary

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



39.9035, 43.2297, 77.4752



51.7466, 50.4001, 29.9238

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.



37.7639, 43.2297, 27.0477



39.9035, 43.2297, 77.4752



46.8279, 43.2297, 29.4862

Square

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



39.9035, 43.2297, 77.4752



50.6578, 43.2297, 50.5806



42.2968, 43.2297, 25.8862



32.8073, 43.2297, 43.7253

Rectangle

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



39.9035, 43.2297, 77.4752



47.4470, 43.2297, 68.7758



42.2968, 43.2297, 25.8862



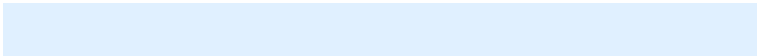
35.3251, 43.2297, 30.4913

Sweetspot

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



39.9049, 43.2314, 77.4762



79.9865, 85.2752, 106.8518



45.0042, 62.2368, 52.0253



16.7968, 17.9307, 22.8256



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.



39.9049, 43.2314, 77.4762



46.9075, 50.6693, 101.9156



32.4582, 28.3379, 74.9940



13.5154, 14.3700, 17.4490



11.3194, 10.1083, 42.4029



0.8741, 0.8797, 2.9690

Inverse Universe

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



47.9547, 36.6321, 47.7250



59.2882, 41.8119, 55.8678



61.9469, 70.8006, 33.3239



13.9916, 13.8143, 15.7261



19.6537, 9.9285, 10.1081



1.4075, 0.7063, 0.9386

Previews

White Background



This preview shows how the XYZ color 39.9035, 43.2297, 77.4752 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 39.9035, 43.2297, 77.4752 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 39.9035, 43.2297, 77.4752

Background



This preview shows how black text looks on a background with the XYZ color 39.9035, 43.2297, 77.4752.



This preview shows how white text looks on a background with the XYZ color 39.9035, 43.2297,

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

39.9035, 43.2297, 77.4752

Protanopia

43.1717, 42.9470, 73.7243

Deuteranopia

44.1347, 43.0504, 78.6565



Tritanopia

36.5599, 43.4106, 60.4850

Trichromacy



Original Color

39.9035, 43.2297, 77.4752

Protanomaly

41.8470, 43.0969, 75.2202

Deuteranomaly

42.3839, 43.0210, 78.0215

Tritanomaly

37.6787, 43.2463, 66.0360

Monochromacy



Original Color

39.9035, 43.2297, 77.4752

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.0320, 41.7925, 55.2998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9035, 43.2297, 77.4752 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(135, 180, 225)` looks like.

```
.text, #text, p{  
    color:rgb(135, 180, 225)  
}
```

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(135, 180, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 180, 225) }
```

Border

The CSS property to change the border of an element to XYZ 39.9035, 43.2297, 77.4752 is called "border". The border property can be set on classes, ids or directly on the HTML element.

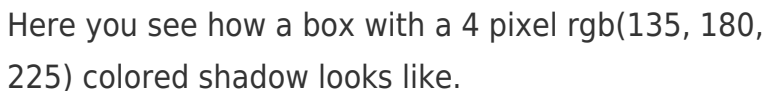
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 180, 225) }
```


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

```
.border{ border-color:rgb(135, 180, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 180, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 180, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 180, 225);  
box-shadow:4px 4px 4px 4px rgb(135, 180,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9035, 43.2297, 77.4752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 180, 225) }
```

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

```
.background{ background-color: rgb(135,  
180, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor