

Converting Colors

XYZ(39.9232, 45.3019, 78.7781)

Have a look what the booklet for
XYZ(39.9232, 45.3019, 78.7781)
contains.

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Color

**XYZ(39.9552, 45.3916,
78.6071)**

Conversions

Conversions Part 1

Format	Color
Hex	7DBBE2
RGB	125, 187, 226
RGB Percent	49%, 73%, 89%
CMY	0.5098, 0.2667, 0.1137
CMYK	0.45, 0.17, 0.00, 0.11
HSL	203°, 64%, 69%
HSV	203°, 45%, 89%
XYZ	39.9552, 45.3916, 78.6071
YIQ	172.9080, -49.4710, -1.0150

Conversions

Conversions Part 2

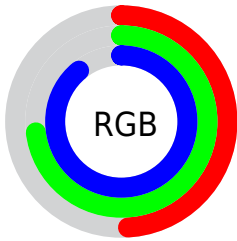
Format	Color
RYB	125, 163, 226
Decimal	8240098
CIELab	73.15, -9.71, -25.71
CIELCh	73, 27.484, 249.314
Yxy	45.3916, 0.2437, 0.2769
Android (android.graphics.Color)	4286430178 (0xFF7DBBE2)
YUV	172.9080, 26.1744, -42.0153
Hunter-Lab	67.3733, -12.0452, -22.0147

Details

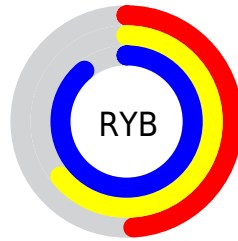
The XYZ color **39.9552, 45.3916, 78.6071** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.3422, 44.2014, 25.3873**, and the grayscale version is **39.5638, 41.6242, 45.3287**.

A 20% lighter version of the original color is **69.3920, 81.2663, 106.6364**, and **18.2597, 21.2194, 41.6614** is the 20% darker color. If you saturate the color by 10%, you get **35.2285, 40.2905, 77.8724**, and if you desaturate by 10%, it is **45.5479, 51.1081, 79.4166**.

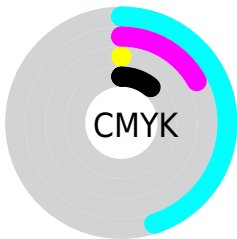
Distribution



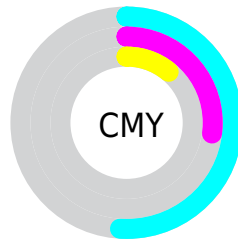
- Red (49%)
- Green (73%)
- Blue (89%)



- Red (49%)
- Yellow (64%)
- Blue (89%)



- Cyan (45%)
- Magenta (17%)
- Yellow (0%)
- Black (11%)



- Cyan (51%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9552, 45.3916, 78.6071 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 39.9552, 45.3916, 78.6071 by changing the saturation by 10% instead.

■ 39.9552, 45.3916,
78.6071

■ 39.9552, 45.3916,
78.6071

337.0724,
368.3572, 509.8086

■ 27.6877, 31.7660,
58.0534

■ 74.3801, 83.3077,
133.1992

■ 18.2296, 21.1828,
41.4366

■ 97.2681, 108.3671,
168.0748

■ 11.2156, 13.2577,
28.3381

■ 124.4270,
138.0064, 208.5613

■ 6.2804, 7.6062,
18.3394

156.2222,
172.6101, 255.0775

■ 3.0586, 3.8440,
11.0220

193.0190,
212.5627, 308.0417

■ 1.1848, 1.5867,
5.9673

235.1827,

■ 0.0943, 0.3486,

258.2485, 367.8727

2.7567

283.0787,
310.0519, 434.9888

■ 0.0000, 0.0000,
0.9718

■ 0.0000, 0.0000,
0.0000

■ 39.9552, 45.3916,
78.6071

■ 39.9552, 45.3916,
78.6071

■ 35.2285, 40.2905,
77.8724

■ 45.5479, 51.1081,
79.4166

■ 31.3099, 35.7690,
77.2062

■ 52.0509, 57.4629,
80.3004

■ 28.1406, 31.7950,
76.6062

■ 59.5104, 64.4834,
81.2623

■ 25.6513, 28.3294,
76.0685

■ 67.9682, 72.1940,
82.3049

■ 23.7574, 25.3255,
75.5885

■ 77.4633, 80.6173,
83.4303

■ 22.9220, 23.8797,
75.3535

■ 85.9404, 88.6966,
84.5429

■ 88.5625, 93.9408,
85.4170

■ 90.7276, 98.2710,
86.1387

Harmonies

Analogous

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



36.3702, 45.3916, 68.1959



39.9552, 45.3916, 78.6071



44.6590, 45.3916, 80.4743

Triad

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



39.9552, 45.3916, 78.6071



52.9385, 45.3916, 45.2558



37.5400, 45.3916, 31.6185

Complementary

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



39.9552, 45.3916, 78.6071



48.3422, 44.2014, 25.3873

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.



41.6624, 45.3916, 27.6060



39.9552, 45.3916, 78.6071



50.7092, 45.3916, 34.4575

Square

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



39.9552, 45.3916, 78.6071



52.3962, 45.3916, 59.3930



46.4967, 45.3916, 28.5385



35.0494, 45.3916, 40.6376

Rectangle

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



39.9552, 45.3916, 78.6071



47.8363, 45.3916, 76.3325



46.4967, 45.3916, 28.5385



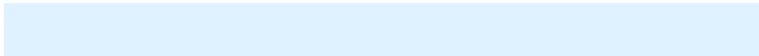
38.7679, 45.3916, 29.7234

Sweetspot

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



39.9567, 45.3933, 78.6082



79.9399, 86.3492, 107.0615



42.3303, 61.4238, 44.6143



16.6101, 18.0198, 22.8527



0.0000, 0.0000, 0.0000



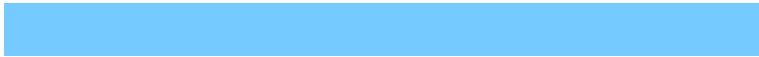
20.3446, 21.4041, 23.3091

Same Dimension

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



39.9567, 45.3933, 78.6082



46.5071, 53.1840, 102.4221



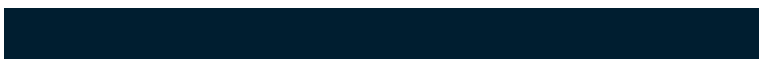
31.1011, 27.6822, 75.6563



13.6490, 14.6371, 17.4935



13.1952, 13.8599, 43.0281



1.0006, 1.1327, 3.0111

Inverse Universe

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



47.6685, 34.4252, 51.1478



58.2768, 38.3088, 60.0944



59.1681, 65.8534, 28.9959



14.0590, 13.8412, 16.0811



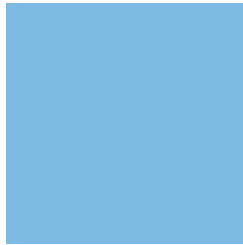
20.6005, 10.3072, 15.0940



1.4713, 0.7318, 1.2748

Previews

White Background



This preview shows how the XYZ color 39.9552, 45.3916, 78.6071 looks on a white background.

Color Contrast Check

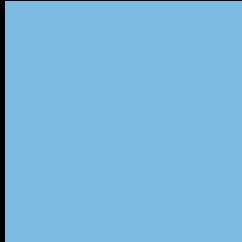
Large Text (above 18pt) WCAG AA × Fail

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 39.9552, 45.3916, 78.6071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

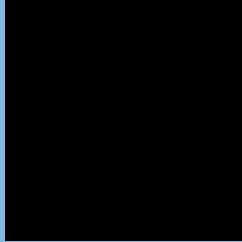
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9552, 45.3916, 78.6071

Background



This preview shows how black text looks on a background with the XYZ color 39.9552, 45.3916, 78.6071.



This preview shows how white text looks on a background with the XYZ color 39.9552, 45.3916,

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

39.9552, 45.3916, 78.6071

Protanopia

44.8705, 44.9938, 73.3376

Deuteranopia

46.1065, 45.1982, 79.6928



Tritanopia

37.1618, 45.2051, 65.1593

Trichromacy



Original Color

39.9552, 45.3916, 78.6071

Protanomaly

42.8456, 45.0940, 75.5530

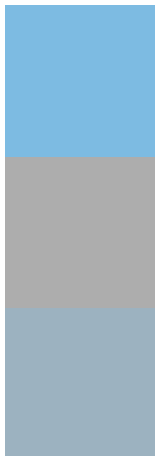
Deuteranomaly

43.5128, 45.0586, 79.0769

Tritanomaly

38.0930, 45.2642, 69.6799

Monochromacy



Original Color

39.9552, 45.3916, 78.6071

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.1451, 42.7145, 56.0507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9552, 45.3916, 78.6071 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(125, 187, 226)` looks like.

```
.text, #text, p{  
    color:rgb(125, 187, 226)  
}
```

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(125, 187, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 187, 226) }
```

Border

The CSS property to change the border of an element to XYZ 39.9552, 45.3916, 78.6071 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(125, 187, 226) }
```


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

```
.border{ border-color:rgb(125, 187, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 187, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 187, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 187, 226);  
box-shadow:4px 4px 4px 4px rgb(125, 187,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9552, 45.3916, 78.6071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 187, 226) }
```

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

```
.background{ background-color: rgb(125,  
187, 226) }
```

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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