

Converting Colors

XYZ(39.9429, 45.3178, 77.9198)

Have a look what the booklet for
XYZ(39.9429, 45.3178, 77.9198)
contains.

XYZ(39.9651, 45.4125, 77.8933)	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(39.9651, 45.4125,
77.8933)**

Conversions

Conversions Part 1

Format	Color
Hex	7EBBE1
RGB	126, 187, 225
RGB Percent	49%, 73%, 88%
CMY	0.5059, 0.2667, 0.1176
CMYK	0.44, 0.17, 0.00, 0.12
HSL	203°, 62%, 69%
HSV	203°, 44%, 88%
XYZ	39.9651, 45.4125, 77.8933
YIQ	173.0930, -48.5540, -1.1140

Conversions

Conversions Part 2

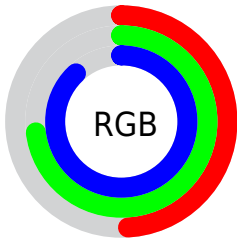
Format	Color
R_{YB}	126, 164, 225
Decimal	8305633
CIE _{Lab}	73.16, -9.74, -25.14
CIE _{LCh}	73, 26.963, 248.832
Y _{xy}	45.4125, 0.2448, 0.2781
Android (android.graphics.Color)	4286495713 (0xFF7EBBE1)
YUV	173.0930, 25.5902, -41.3006
Hunter-Lab	67.3888, -12.0705, -21.3599

Details

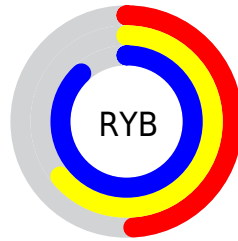
The XYZ color **39.9651, 45.4125, 77.8933** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.0938, 44.0660, 25.7109**, and the grayscale version is **39.6605, 41.7259, 45.4395**.

A 20% lighter version of the original color is **69.6290, 81.3885, 106.6474**, and **18.3066, 21.2546, 41.1679** is the 20% darker color. If you saturate the color by 10%, you get **35.2358, 40.3368, 77.1637**, and if you desaturate by 10%, it is **45.5536, 51.0967, 78.6967**.

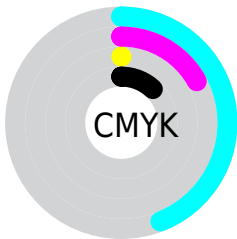
Distribution



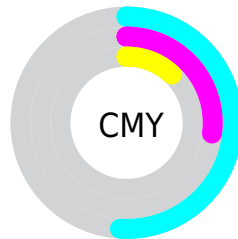
- Red (49%)
- Green (73%)
- Blue (88%)



- Red (49%)
- Yellow (64%)
- Blue (88%)



- Cyan (44%)
- Magenta (17%)
- Yellow (0%)
- Black (12%)



- Cyan (51%)
- Magenta (27%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9651, 45.4125, 77.8933 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 39.9651, 45.4125, 77.8933 by changing the saturation by 10% instead.

■ 39.9651, 45.4125,
77.8933

■ 39.9651, 45.4125,
77.8933

337.1134,
368.4416, 507.3227

■ 27.6954, 31.7825,
57.4704

■ 74.3950, 83.3391,
132.1842

■ 18.2355, 21.1954,
40.9712

■ 97.2860, 108.4044,
166.8893

■ 11.2199, 13.2669,
27.9770

■ 124.4481,
138.0503, 207.1922

■ 6.2833, 7.6126,
18.0694

156.2468,
172.6611, 253.5114

■ 3.0604, 3.8481,
10.8299

193.0473,
212.6212, 306.2656

■ 1.1858, 1.5889,
5.8398

235.2149,

■ 0.0951, 0.3501,

258.3151, 365.8731

2.6807

283.1152,
310.1271, 432.7527

■ 0.0000, 0.0000,
0.9337

■ 0.0000, 0.0000,
0.0000

■ 39.9651, 45.4125,
77.8933

■ 39.9651, 45.4125,
77.8933

■ 35.2358, 40.3368,
77.1637

■ 45.5536, 51.0967,
78.6967

■ 31.3087, 35.8344,
76.5016

■ 52.0448, 57.4116,
79.5735

■ 28.1265, 31.8738,
75.9048

■ 59.4840, 64.3844,
80.5273

■ 25.6212, 28.4169,
75.3697

■ 67.9125, 72.0388,
81.5605

■ 23.7106, 25.4184,
74.8916

■ 77.3686, 80.3972,
82.6755

■ 22.7712, 23.7971,
74.6282

■ 85.6448, 88.3243,
83.7693

■ 88.2314, 93.4976,
84.6316

■ 90.5908, 98.2163,
85.4180

Harmonies

Analogous

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



36.4661, 45.4125, 67.6205



39.9651, 45.4125, 77.8933



44.5731, 45.4125, 79.8689

Triad

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



39.9651, 45.4125, 77.8933



52.7769, 45.4125, 45.5585



37.7137, 45.4125, 31.8220

Complementary

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



39.9651, 45.4125, 77.8933



48.0938, 44.0660, 25.7109

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.



41.7834, 45.4125, 27.9356



39.9651, 45.4125, 77.8933



50.6339, 45.4125, 34.8608

Square

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



39.9651, 45.4125, 77.8933



52.2012, 45.4125, 59.4493



46.5276, 45.4125, 28.9363



35.2337, 45.4125, 40.6338

Rectangle

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



39.9651, 45.4125, 77.8933



47.6941, 45.4125, 75.9205



46.5276, 45.4125, 28.9363



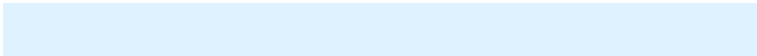
38.9288, 45.4125, 29.9767

Sweetspot

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



39.9666, 45.4142, 77.8944



79.9626, 86.3946, 107.0691



42.2270, 60.9657, 44.6417



16.6157, 18.0310, 22.8545



0.0000, 0.0000, 0.0000



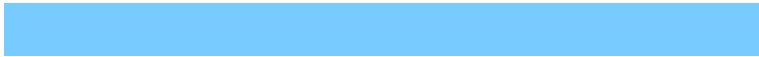
20.3446, 21.4041, 23.3091

Same Dimension

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



39.9666, 45.4142, 77.8944



47.1605, 53.9734, 102.5400



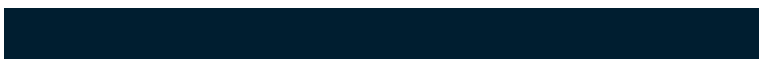
31.2202, 27.9215, 74.9789



13.6517, 14.6425, 17.4945



13.2380, 13.9455, 43.0424



1.0034, 1.1383, 3.0121

Inverse Universe

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



47.4831, 34.5185, 51.1756



58.7329, 38.9747, 61.0055



58.7259, 65.3302, 29.2549



14.0604, 13.8418, 16.0883



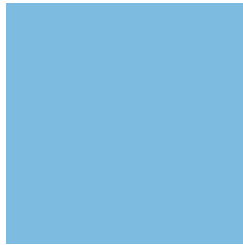
20.6221, 10.3158, 15.2077



1.4727, 0.7324, 1.2822

Previews

White Background



This preview shows how the XYZ color 39.9651, 45.4125, 77.8933 looks on a white background.

Color Contrast Check

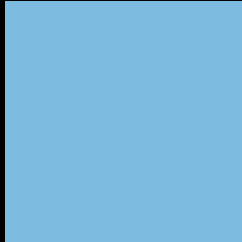
Large Text (above 18pt) WCAG AA × Fail

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 39.9651, 45.4125, 77.8933 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 39.9651, 45.4125, 77.8933

Background



This preview shows how black text looks on a background with the XYZ color 39.9651, 45.4125, 77.8933.



This preview shows how white text looks on a background with the XYZ color 39.9651, 45.4125,

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

39.9651, 45.4125, 77.8933

Protanopia

44.9546, 45.0523, 72.6563

Deuteranopia

46.1850, 45.2546, 78.9739



Tritanopia

37.2998, 45.2762, 65.1658

Trichromacy



Original Color

39.9651, 45.4125, 77.8933

Protanomaly

42.9014, 45.1382, 74.8580

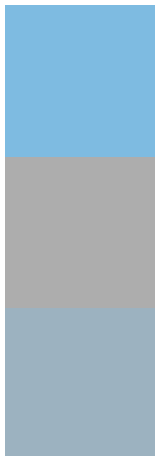
Deuteranomaly

43.5663, 45.1021, 78.3609

Tritanomaly

38.2339, 45.3369, 69.6865

Monochromacy



Original Color

39.9651, 45.4125, 77.8933

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 39.9651, 45.4125, 77.8933 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(126, 187, 225)` looks like.

```
.text, #text, p{  
    color:rgb(126, 187, 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(126, 187, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 187, 225) }
```

Border

The CSS property to change the border of an element to XYZ 39.9651, 45.4125, 77.8933 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(126, 187, 225) }
```


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

```
.border{ border-color:rgb(126, 187, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 187, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 187, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 187, 225);  
box-shadow:4px 4px 4px 4px rgb(126, 187,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9651, 45.4125, 77.8933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 187, 225) }
```

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

```
.background{ background-color: rgb(126,  
187, 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