

Converting Colors

XYZ(39.2293, 45.1644, 73.4477)

Have a look what the booklet for
XYZ(39.2293, 45.1644, 73.4477)
contains.

XYZ(39.3089, 45.1671, 73.6642)	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(39.3089, 45.1671,
73.6642)**

Conversions

Conversions Part 1

Format	Color
Hex	7FBBDB
RGB	127, 187, 219
RGB Percent	50%, 73%, 86%
CMY	0.5019, 0.2667, 0.1412
CMYK	0.42, 0.15, 0.00, 0.14
HSL	201°, 56%, 68%
HSV	201°, 42%, 86%
XYZ	39.3089, 45.1671, 73.6642
YIQ	172.7080, -46.0320, -2.7680

Conversions

Conversions Part 2

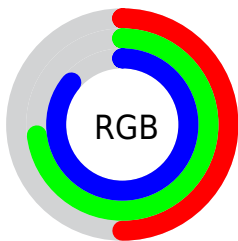
Format	Color
RYB	127, 163, 219
Decimal	8371163
CIELab	73.00, -11.10, -22.12
CIELCh	73, 24.754, 243.346
Yxy	45.1671, 0.2486, 0.2856
Android (android.graphics.Color)	4286561243 (0xFF7FBDB)
YUV	172.7080, 22.8220, -40.0859
Hunter-Lab	67.2065, -13.2071, -17.9425

Details

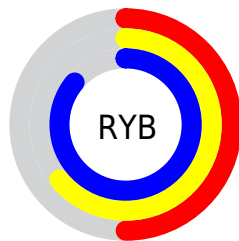
The XYZ color **39.3089, 45.1671, 73.6642** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **45.4434, 41.3898, 25.6740**, and the grayscale version is **39.4774, 41.5333, 45.2297**.

A 20% lighter version of the original color is **69.6290, 81.3885, 106.6474**, and **17.8984, 21.1082, 38.2529** is the 20% darker color. If you saturate the color by 10%, you get **34.8218, 40.5192, 73.0044**, and if you desaturate by 10%, it is **44.5935, 50.3554, 74.3879**.

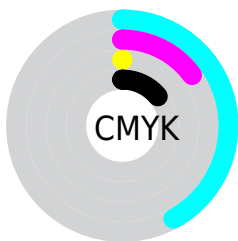
Distribution



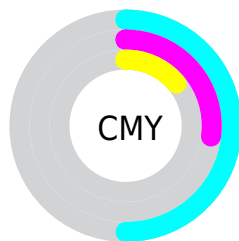
- Red (50%)
- Green (73%)
- Blue (86%)



- Red (50%)
- Yellow (64%)
- Blue (86%)



- Cyan (42%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)



- Cyan (50%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3089, 45.1671, 73.6642 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 39.3089, 45.1671, 73.6642 by changing the saturation by 10% instead.

■ 39.3089, 45.1671,
73.6642

■ 39.3089, 45.1671,
73.6642

334.3866,
367.4499, 492.4460

■ 27.1819, 31.5891,
54.0241

■ 73.4010, 82.9711,
126.1493

■ 17.8472, 21.0478,
38.2276

■ 96.0969, 107.9659,
159.8314

■ 10.9394, 13.1590,
25.8562

■ 123.0464,
137.5350, 199.0313

■ 6.0931, 7.5381,
16.4913

154.6150,
172.0629, 244.1675

■ 2.9429, 3.8008,
9.7144

191.1679,
211.9339, 295.6585

■ 1.1237, 1.5628,
5.1069

233.0706,

■ 0.0448, 0.3323,

257.5325, 353.9229

2.2503

280.6884,
309.2430, 419.3792

■ 0.0000, 0.0000,
0.7032

■ 0.0000, 0.0000,
0.0000

■ 39.3089, 45.1671,
73.6642

■ 39.3089, 45.1671,
73.6642

■ 34.8218, 40.5192,
73.0044

■ 44.5935, 50.3554,
74.3879

■ 31.0802, 36.3799,
72.4026

■ 50.7147, 56.1031,
75.1747

■ 28.0321, 32.7214,
71.8571

■ 57.7142, 62.4347,
76.0279

■ 25.6167, 29.5104,
71.3646

■ 65.6294, 69.3712,
76.9496

■ 23.7609, 26.7070,
70.9213

■ 74.4956, 76.9326,
77.9418

■ 22.5831, 24.7081,
70.5976

■ 83.0822, 84.4863,
78.9473

■ 85.2818, 88.8855,
79.6805

■ 87.5756, 93.4731,
80.4451

■ 89.7863, 97.8945,
81.1820

Harmonies

Analogous

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



36.3554, 45.1671, 63.4565



39.3089, 45.1671, 73.6642



43.4169, 45.1671, 76.9703

Triad

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



39.3089, 45.1671, 73.6642



51.7719, 45.1671, 47.8031



38.5219, 45.1671, 31.8565

Complementary

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



39.3089, 45.1671, 73.6642



45.4434, 41.3898, 25.6740

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.



42.4467, 45.1671, 29.0407



39.3089, 45.1671, 73.6642



50.2530, 45.1671, 37.2223

Square

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



39.3089, 45.1671, 73.6642



50.7937, 45.1671, 60.6471



46.7669, 45.1671, 30.8277



35.9229, 45.1671, 39.2567

Rectangle

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



39.3089, 45.1671, 73.6642



46.3082, 45.1671, 74.4268



46.7669, 45.1671, 30.8277



39.7202, 45.1671, 30.4045

Sweetspot

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



39.3103, 45.1688, 73.6653



80.3197, 87.1087, 107.1881



40.2280, 57.6333, 41.2031



16.7041, 18.2078, 22.8840



0.0000, 0.0000, 0.0000



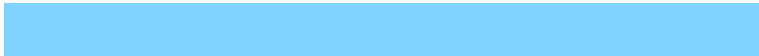
20.3446, 21.4041, 23.3091

Same Dimension

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



39.3103, 45.1688, 73.6653



50.0853, 58.1870, 103.1992



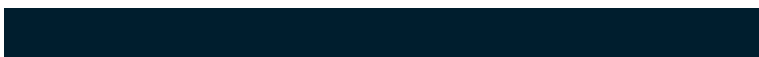
31.2626, 29.0733, 70.9827



13.0439, 14.0275, 16.6722



13.4966, 14.8626, 41.8958



0.9538, 1.1217, 2.7407

Inverse Universe

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



45.7737, 33.8281, 51.1324



60.6086, 41.2540, 66.1688



54.5590, 59.6209, 28.7125



13.4120, 13.1939, 15.4308



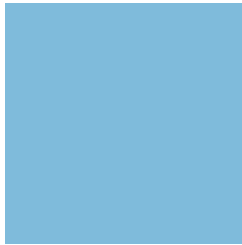
20.3078, 10.1242, 16.5327



1.3557, 0.6719, 1.2822

Previews

White Background



This preview shows how the XYZ color 39.3089, 45.1671, 73.6642 looks on a white background.

Color Contrast Check

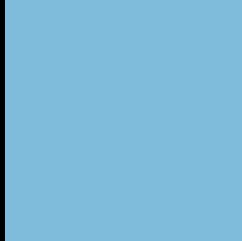
Large Text (above 18pt) WCAG AA × Fail

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 39.3089, 45.1671, 73.6642 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 39.3089, 45.1671, 73.6642

Background



This preview shows how black text looks on a background with the XYZ color 39.3089, 45.1671, 73.6642.

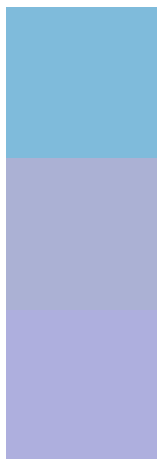


This preview shows how white text looks on a background with the XYZ color 39.3089, 45.1671,

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

39.3089, 45.1671, 73.6642

Protanopia

44.4004, 44.8557, 68.6052

Deuteranopia

45.9703, 44.9325, 75.3572



Tritanopia

37.3854, 45.0139, 64.4757

Trichromacy



Original Color

39.3089, 45.1671, 73.6642

Protanomaly

42.3072, 44.9226, 70.7311

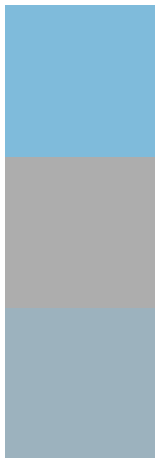
Deuteranomaly

43.0759, 44.6288, 74.7505

Tritanomaly

37.9283, 44.9047, 67.6412

Monochromacy



Original Color

39.3089, 45.1671, 73.6642

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.9250, 42.6264, 54.8914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3089, 45.1671, 73.6642 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(127, 187, 219)` looks like.

```
.text, #text, p{  
    color:rgb(127, 187, 219)  
}
```

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(127, 187, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 187, 219) }
```

Border

The CSS property to change the border of an element to XYZ 39.3089, 45.1671, 73.6642 is called "border". The border property can be set on classes, ids or directly on the HTML element.

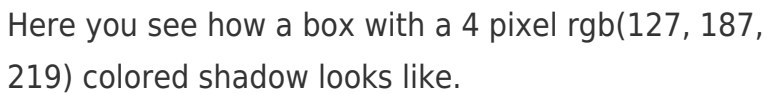
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 187, 219) }
```


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

```
.border{ border-color:rgb(127, 187, 219) }
```

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



Here you see how a box with a 4 pixel rgb(127, 187, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 187, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 187, 219);  
box-shadow:4px 4px 4px 4px rgb(127, 187,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3089, 45.1671, 73.6642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 187, 219) }
```

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

```
.background{ background-color: rgb(127,  
187, 219) }
```

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