

Converting Colors

XYZ(39.4541, 45.5248, 71.6309)

Have a look what the booklet for
XYZ(39.4541, 45.5248, 71.6309)
contains.

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Color

**XYZ(39.5838, 45.6701,
71.6947)**

Conversions

Conversions Part 1

Format	Color
Hex	82BCD8
RGB	130, 188, 216
RGB Percent	51%, 74%, 85%
CMY	0.4902, 0.2627, 0.1529
CMYK	0.40, 0.13, 0.00, 0.15
HSL	200°, 52%, 68%
HSV	200°, 40%, 85%
XYZ	39.5838, 45.6701, 71.6947
YIQ	173.8500, -43.5560, -3.5880

Conversions

Conversions Part 2

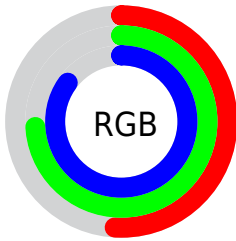
Format	Color
R_{YB}	130, 165, 216
Decimal	8568024
CIE _{Lab}	73.33, -11.66, -19.98
CIE _{LCh}	73, 23.129, 239.736
Yxy	45.6701, 0.2522, 0.2910
Android (android.graphics.Color)	4286758104 (0xFF82BCD8)
YUV	173.8500, 20.7800, -38.4564
Hunter-Lab	67.5797, -13.7106, -15.5945

Details

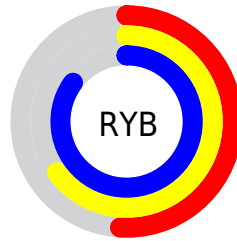
The XYZ color **39.5838, 45.6701, 71.6947** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **44.5760, 40.6653, 26.6202**, and the grayscale version is **40.0691, 42.1558, 45.9077**.

A 20% lighter version of the original color is **70.6504, 82.3605, 106.7812**, and **17.9986, 21.3970, 36.8996** is the 20% darker color. If you saturate the color by 10%, you get **35.1463, 41.2074, 71.0680**, and if you desaturate by 10%, it is **44.7928, 50.6413, 72.3805**.

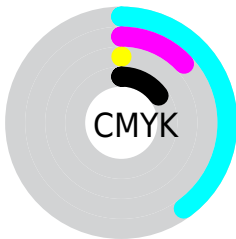
Distribution



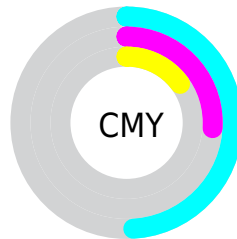
- Red (51%)
- Green (74%)
- Blue (85%)



- Red (51%)
- Yellow (65%)
- Blue (85%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)



- Cyan (49%)
- Magenta (26%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5838, 45.6701, 71.6947 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 39.5838, 45.6701, 71.6947 by changing the saturation by 10% instead.

■ 39.5838, 45.6701,
71.6947

■ 39.5838, 45.6701,
71.6947

335.5308,
369.4807, 485.4272

■ 27.3970, 31.9856,
52.4240

■ 73.8177, 83.7251,
123.3261

■ 18.0097, 21.3505,
36.9586

■ 96.5955, 108.8643,
156.5238

■ 11.0567, 13.3804,
24.8799

■ 123.6342,
138.5905, 195.2010

■ 6.1725, 7.6910,
15.7694

155.2994,
173.2882, 239.7761

■ 2.9919, 3.8979,
9.2085

191.9563,
213.3416, 290.6678

■ 1.1495, 1.6166,
4.7788

233.9702,

■ 0.0659, 0.3688,

259.1353, 348.2945

2.0616

281.7066,
311.0535, 413.0748

■ 0.0000, 0.0000,
0.5928

■ 0.0000, 0.0000,
0.0000

■ 39.5838, 45.6701,
71.6947

■ 39.5838, 45.6701,
71.6947

■ 35.1463, 41.2074,
71.0680

■ 44.7928, 50.6413,
72.3805

■ 31.4312, 37.2231,
70.4948

■ 50.8100, 56.1383,
73.1244

■ 28.3898, 33.6918,
69.9734

■ 57.6750, 62.1840,
73.9295

■ 25.9655, 30.5826,
69.5011

■ 65.4231, 68.7982,
74.7978

■ 24.0911, 27.8592,
69.0742

■ 74.0879, 75.9993,
75.7311

■ 22.6494, 25.4596,
68.6870

■ 81.9865, 82.9213,
76.6508

■ 22.6242, 25.4166,
68.6801

■ 83.9855, 86.9192,
77.3172

■ 86.0643, 91.0769,
78.0101

■ 88.2239, 95.3961,
78.7300

Harmonies

Analogous

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



36.9638, 45.6701, 61.6870



39.5838, 45.6701, 71.6947



43.3720, 45.6701, 75.6621

Triad

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



39.5838, 45.6701, 71.6947



51.7097, 45.6701, 49.8304



39.6426, 45.6701, 32.7005

Complementary

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



39.5838, 45.6701, 71.6947



44.5760, 40.6653, 26.6202

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.



43.4442, 45.6701, 30.5202



39.5838, 45.6701, 71.6947



50.5609, 45.6701, 39.4223

Square

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



39.5838, 45.6701, 71.6947



50.5209, 45.6701, 61.8938



47.4710, 45.6701, 32.7787



36.9962, 45.6701, 39.2692

Rectangle

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



39.5838, 45.6701, 71.6947



46.1035, 45.6701, 73.9349



47.4710, 45.6701, 32.7787



40.8198, 45.6701, 31.4803

Sweetspot

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



39.5852, 45.6719, 71.6958



81.5784, 88.4589, 107.3824



39.8687, 56.3009, 40.7700



17.1717, 18.6807, 22.9506



0.0000, 0.0000, 0.0000



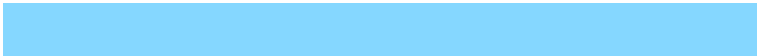
20.3446, 21.4041, 23.3091

Same Dimension

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



39.5852, 45.6719, 71.6958



51.9986, 60.8516, 103.6127



31.8448, 30.1910, 69.1156



12.4356, 13.3946, 15.8675



13.4930, 15.2478, 40.6851



0.8877, 1.0674, 2.4785

Inverse Universe

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



45.3798, 34.1964, 51.7875



61.8580, 42.8398, 69.4000



53.0575, 57.6284, 29.4474



12.7731, 12.5607, 14.7452



19.8695, 9.8841, 17.1487



1.2357, 0.6111, 1.2306

Previews

White Background



This preview shows how the XYZ color 39.5838, 45.6701, 71.6947 looks on a white background.

Color Contrast Check

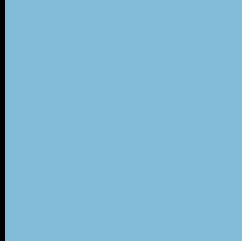
Large Text (above 18pt) WCAG AA × Fail

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 39.5838, 45.6701, 71.6947 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 39.5838, 45.6701, 71.6947

Background



This preview shows how black text looks on a background with the XYZ color 39.5838, 45.6701, 71.6947.



This preview shows how white text looks on a background with the XYZ color 39.5838, 45.6701,

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

39.5838, 45.6701, 71.6947

Protanopia

44.6626, 45.3285, 66.7169

Deuteranopia

46.4430, 45.5123, 73.3548



Tritanopia

38.1853, 45.7467, 64.5750

Trichromacy



Original Color

39.5838, 45.6701, 71.6947

Protanomaly

42.5162, 45.3775, 68.8052

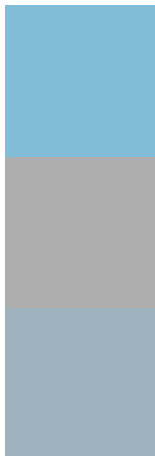
Deuteranomaly

43.4734, 45.1781, 72.7586

Tritanomaly

38.6083, 45.5878, 67.0861

Monochromacy



Original Color

39.5838, 45.6701, 71.6947

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.4060, 43.1834, 54.4024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5838, 45.6701, 71.6947 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(130, 188, 216)` looks like.

```
.text, #text, p{  
    color:rgb(130, 188, 216)  
}
```

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(130, 188, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 188, 216) }
```

Border

The CSS property to change the border of an element to XYZ 39.5838, 45.6701, 71.6947 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(130, 188, 216) }
```


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

```
.border{ border-color:rgb(130, 188, 216) }
```

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

Here you see how a box with a 4 pixel rgb(130, 188, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 188, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 188, 216);  
box-shadow:4px 4px 4px 4px rgb(130, 188,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5838, 45.6701, 71.6947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 188, 216) }
```

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

```
.background{ background-color: rgb(130,  
188, 216) }
```

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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