

Converting Colors

XYZ(45.2710, 54.5292, 89.6203)

Have a look what the booklet for
XYZ(45.2710, 54.5292, 89.6203)
contains.

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Color

**XYZ(45.3640, 54.7092,
89.8303)**

Conversions

Conversions Part 1

Format	Color
Hex	76CFEF
RGB	118, 207, 239
RGB Percent	46%, 81%, 94%
CMY	0.5372, 0.1882, 0.0627
CMYK	0.51, 0.13, 0.00, 0.06
HSL	196°, 79%, 70%
HSV	196°, 51%, 94%
XYZ	45.3640, 54.7092, 89.8303
YIQ	184.0370, -63.3160, -8.9160

Conversions

Conversions Part 2

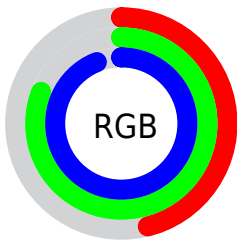
Format	Color
R_{YB}	118, 169, 239
Decimal	7786479
CIE _{Lab}	78.87, -18.19, -24.00
CIE _{LCh}	79, 30.119, 232.843
Yxy	54.7092, 0.2389, 0.2881
Android (android.graphics.Color)	4285976559 (0xFF76CFEF)
YUV	184.0370, 27.0968, -57.9144
Hunter-Lab	73.9657, -19.9638, -20.2309

Details

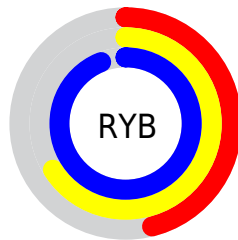
The XYZ color **45.3640, 54.7092, 89.8303** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.7742, 41.4728, 22.5229**, and the grayscale version is **45.4621, 47.8297, 52.0865**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **21.5694, 27.0421, 48.8826** is the 20% darker color. If you saturate the color by 10%, you get **41.0198, 50.2429, 89.1982**, and if you desaturate by 10%, it is **50.5951, 59.7261, 90.5239**.

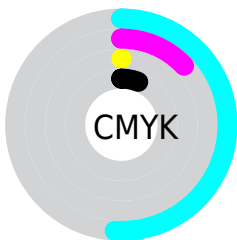
Distribution



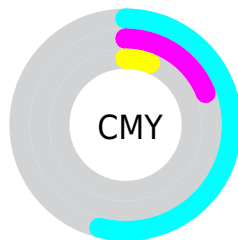
- Red (46%)
- Green (81%)
- Blue (94%)



- Red (46%)
- Yellow (66%)
- Blue (94%)



- Cyan (51%)
- Magenta (13%)
- Yellow (0%)
- Black (6%)





- Cyan (54%)
- Magenta (19%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3640, 54.7092, 89.8303 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 45.3640, 54.7092, 89.8303 by changing the saturation by 10% instead.


 45.3640, 54.7092,
89.8303


 45.3640, 54.7092,
89.8303


359.0047,
404.8087, 548.0345

 31.9467, 39.1689,
67.2670


 82.5001, 97.1148,
149.0361

 21.4762, 26.8912,
48.8387


 106.9496,
124.7489, 186.5157

 13.5869, 17.4915,
34.1268


 135.8072,
157.1830, 229.8044

 7.9137, 10.5855,
22.7129

169.4383,
194.8016, 279.3209

 4.0911, 5.7889,
14.1783

208.2083,
237.9891, 335.4836

 1.7538, 2.7171,
8.1046

252.4824,

 0.4896, 0.9859,

287.1299, 398.7110

4.0733

302.6261,
342.6082, 469.4218

■ 0.0000, 0.0000,
1.6656

■ 0.0000, 0.0000,
0.3370

■ 45.3640, 54.7092,
89.8303

■ 45.3640, 54.7092,
89.8303

■ 41.0198, 50.2429,
89.1982

■ 50.5951, 59.7261,
90.5239

■ 37.4933, 46.2869,
88.6205

■ 56.7653, 65.3180,
91.2781

■ 34.7128, 42.8043,
88.0948

■ 63.9287, 71.5149,
92.0967

■ 32.5910, 39.7491,
87.6169

■ 72.1338, 78.3430,
92.9822

■ 31.0656, 37.2029,
87.2059

■ 81.4256, 85.8263,
93.9368

■ 89.4503, 92.7523,
94.8508

■ 91.3945, 96.6407,
95.4988

■ 92.5802, 99.0121,
95.8940

Harmonies

Analogous

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



42.1136, 54.7092, 73.2779



45.3640, 54.7092, 89.8303



50.5811, 54.7092, 98.5453

Triad

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



45.3640, 54.7092, 89.8303



64.2527, 54.7092, 63.7632



47.6655, 54.7092, 34.0994

Complementary

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



45.3640, 54.7092, 89.8303



49.7742, 41.4728, 22.5229

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.



53.4440, 54.7092, 32.5220



45.3640, 54.7092, 89.8303



63.3227, 54.7092, 47.6864

Square

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



45.3640, 54.7092, 89.8303



61.7044, 54.7092, 81.7357



59.2523, 54.7092, 37.0045



43.3695, 54.7092, 41.8229

Rectangle

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



45.3640, 54.7092, 89.8303



54.5954, 54.7092, 97.7546



59.2523, 54.7092, 37.0045



49.4871, 54.7092, 32.9021

Sweetspot

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



45.3657, 54.7113, 89.8316



79.2085, 87.1684, 107.2582



43.7043, 67.7318, 38.8928



16.5263, 18.3011, 22.9114



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.



45.3657, 54.7113, 89.8316



47.2571, 57.9224, 103.2972



33.6820, 31.3437, 85.9370



15.8731, 17.1804, 20.2011



17.2803, 20.7848, 48.2290



1.5184, 1.8907, 4.0391

Inverse Universe

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



53.3390, 35.8142, 63.1352



57.8648, 35.1173, 67.2559



61.6071, 65.1385, 26.4672



16.2654, 15.9559, 18.9538



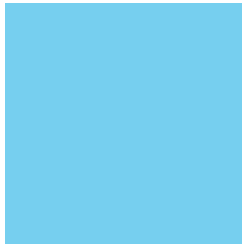
24.0479, 11.8916, 23.9665



2.0413, 1.0056, 2.2086

Previews

White Background



This preview shows how the XYZ color 45.3640, 54.7092, 89.8303 looks on a white background.

Color Contrast Check

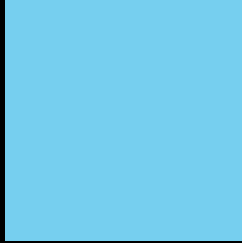
Large Text (above 18pt) WCAG AA × Fail

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 45.3640, 54.7092, 89.8303 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 45.3640, 54.7092, 89.8303

Background



This preview shows how black text looks on a background with the XYZ color 45.3640, 54.7092, 89.8303.



This preview shows how white text looks on a background with the XYZ color 45.3640, 54.7092,

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

45.3640, 54.7092, 89.8303

Protanopia

53.7063, 54.3619, 81.7910

Deuteranopia

55.3302, 53.9893, 92.2988



Tritanopia

43.4674, 54.6693, 80.2128

Trichromacy



Original Color

45.3640, 54.7092, 89.8303

Protanomaly

49.8024, 53.9527, 84.8798

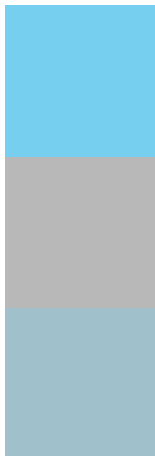
Deuteranomaly

50.8712, 53.6772, 91.6839

Tritanomaly

44.0499, 54.5261, 83.8042

Monochromacy



Original Color

45.3640, 54.7092, 89.8303

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.2459, 49.5325, 64.3555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3640, 54.7092, 89.8303 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(118, 207, 239)` looks like.

```
.text, #text, p{  
    color:rgb(118, 207, 239)  
}
```

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(118, 207, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 207, 239) }
```

Border

The CSS property to change the border of an element to XYZ 45.3640, 54.7092, 89.8303 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(118, 207, 239) }
```


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

```
.border{ border-color:rgb(118, 207, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 207, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 207, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 207, 239);  
box-shadow:4px 4px 4px 4px rgb(118, 207,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3640, 54.7092, 89.8303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 207, 239) }
```

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

```
.background{ background-color: rgb(118,  
207, 239) }
```

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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