

Converting Colors

XYZ(39.1112, 45.4270, 65.4688)

Have a look what the booklet for
XYZ(39.1112, 45.4270, 65.4688)
contains.

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Color

**XYZ(39.2374, 45.6223,
65.7694)**

Conversions

Conversions Part 1

Format	Color
Hex	87BCCF
RGB	135, 188, 207
RGB Percent	53%, 74%, 81%
CMY	0.4706, 0.2627, 0.1882
CMYK	0.35, 0.09, 0.00, 0.19
HSL	196°, 43%, 67%
HSV	196°, 35%, 81%
XYZ	39.2374, 45.6223, 65.7694
YIQ	174.3190, -37.6870, -5.3270

Conversions

Conversions Part 2

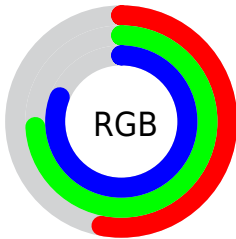
Format	Color
RYB	135, 166, 207
Decimal	8895695
CIELab	73.30, -12.61, -15.10
CIElCh	73, 19.675, 230.122
Yxy	45.6223, 0.2605, 0.3029
Android (android.graphics.Color)	4287085775 (0xFF87BCCF)
YUV	174.3190, 16.1117, -34.4828
Hunter-Lab	67.5443, -14.5094, -10.4510

Details

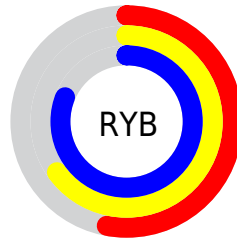
The XYZ color **39.2374, 45.6223, 65.7694** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.6617, 38.1266, 28.0863**, and the grayscale version is **40.3308, 42.4312, 46.2076**.

A 20% lighter version of the original color is **71.6359, 82.8685, 106.8274**, and **17.8934, 21.4217, 33.3287** is the 20% darker color. If you saturate the color by 10%, you get **35.0806, 41.7809, 65.2478**, and if you desaturate by 10%, it is **44.0887, 49.8895, 66.3381**.

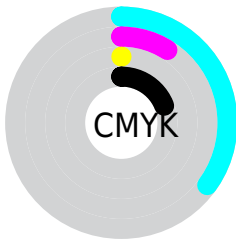
Distribution



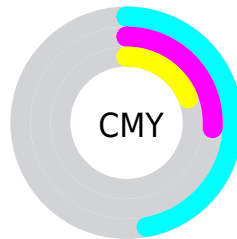
- Red (53%)
- Green (74%)
- Blue (81%)



- Red (53%)
- Yellow (65%)
- Blue (81%)



- Cyan (35%)
- Magenta (9%)
- Yellow (0%)
- Black (19%)



- Cyan (47%)
- Magenta (26%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2374, 45.6223, 65.7694 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 39.2374, 45.6223, 65.7694 by changing the saturation by 10% instead.

■ 39.2374, 45.6223,
65.7694

■ 39.2374, 45.6223,
65.7694

334.0886,
369.2881, 463.9334

■ 27.1260, 31.9479,
47.6299

■ 73.2926, 83.6535,
114.7791

■ 17.8050, 21.3217,
33.1760

■ 95.9671, 108.7790,
146.4865

■ 10.9089, 13.3593,
21.9891

■ 122.8934,
138.4903, 183.5536

■ 6.0724, 7.6765,
13.6506

154.4368,
173.1719, 226.3989

■ 2.9303, 3.8886,
7.7421

190.9626,
213.2080, 275.4410

■ 1.1170, 1.6115,
3.8450

232.8363,

■ 0.0393, 0.3653,

258.9832, 331.0984

1.5407

280.4232,
310.8817, 393.7897

■ 0.0000, 0.0000,
0.2480

■ 0.0000, 0.0000,
0.0000

■ 39.2374, 45.6223,
65.7694

■ 39.2374, 45.6223,
65.7694

■ 35.0806, 41.7809,
65.2478

■ 44.0887, 49.8895,
66.3381

■ 31.5759, 38.3394,
64.7682

■ 49.6653, 54.5958,
66.9526

■ 28.6827, 35.2772,
64.3297

■ 56.0014, 59.7606,
67.6156

■ 26.3537, 32.5693,
63.9298

■ 63.1275, 65.4003,
68.3286

■ 24.5342, 30.1867,
63.5658

■ 71.0725, 71.5304,
69.0931

■ 23.1578, 28.0944,
63.2345

■ 78.2999, 77.3597,
69.8373

■ 22.5527, 27.0851,
63.0715

■ 79.7637, 80.2873,
70.3252

■ 81.2749, 83.3096,
70.8289

■ 82.8338, 86.4274,
71.3486

Harmonies

Analogous

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



37.4138, 45.6223, 56.5186



39.2374, 45.6223, 65.7694



42.2318, 45.6223, 70.8976

Triad

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



39.2374, 45.6223, 65.7694



50.2490, 45.6223, 53.0142



41.1151, 45.6223, 33.8532

Complementary

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



39.2374, 45.6223, 65.7694



41.6617, 38.1266, 28.0863

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.



44.5134, 45.6223, 33.1763



39.2374, 45.6223, 65.7694



49.9108, 45.6223, 43.4073

Square

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



39.2374, 45.6223, 65.7694



48.6684, 45.6223, 62.9128



47.7673, 45.6223, 36.4468



38.4572, 45.6223, 38.4379

Rectangle

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



39.2374, 45.6223, 65.7694



44.5418, 45.6223, 70.8798



47.7673, 45.6223, 36.4468



42.2045, 45.6223, 33.1870

Sweetspot

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



39.2388, 45.6241, 65.7705



84.1738, 91.2622, 107.7867



38.0554, 52.0774, 38.1845



17.7115, 19.2843, 23.0387



0.0000, 0.0000, 0.0000



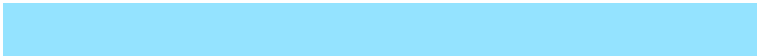
20.3446, 21.4041, 23.3091

Same Dimension

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



39.2388, 45.6241, 65.7705



57.6426, 68.3025, 104.7534



32.6466, 32.4397, 63.5731



11.8835, 12.8572, 15.0990



14.2899, 17.2264, 39.7644



0.8619, 1.0890, 2.2443

Inverse Universe

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



43.4744, 34.2255, 51.8937



65.6435, 47.9401, 78.2784



48.3039, 51.4109, 30.3004



12.1721, 11.9536, 14.1819



19.8436, 9.8103, 19.8804



1.1413, 0.5612, 1.2788

Previews

White Background



This preview shows how the XYZ color 39.2374, 45.6223, 65.7694 looks on a white background.

Color Contrast Check

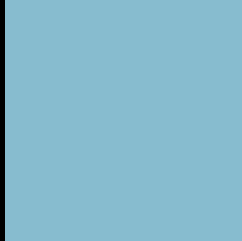
Large Text (above 18pt) WCAG AA × Fail

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 39.2374, 45.6223, 65.7694 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

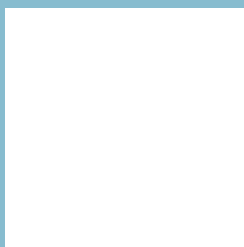
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.2374, 45.6223, 65.7694

Background



This preview shows how black text looks on a background with the XYZ color 39.2374, 45.6223, 65.7694.



This preview shows how white text looks on a background with the XYZ color 39.2374, 45.6223,

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

39.2374, 45.6223, 65.7694

Protanopia

44.3675, 45.2879, 61.6614

Deuteranopia

46.2542, 45.2582, 67.2706



Tritanopia

38.9282, 45.8232, 63.9198

Trichromacy



Original Color

39.2374, 45.6223, 65.7694

Protanomaly

42.2054, 45.3448, 63.0279

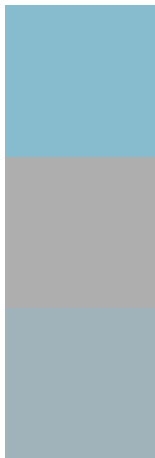
Deuteranomaly

43.3469, 45.2453, 66.7702

Tritanomaly

39.0486, 45.8713, 64.5536

Monochromacy



Original Color

39.2374, 45.6223, 65.7694

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.4802, 43.2590, 52.7234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2374, 45.6223, 65.7694 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(135, 188, 207)` looks like.

```
.text, #text, p{  
    color:rgb(135, 188, 207)  
}
```

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(135, 188, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 188, 207) }
```

Border

The CSS property to change the border of an element to XYZ 39.2374, 45.6223, 65.7694 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(135, 188, 207) }
```


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

```
.border{ border-color:rgb(135, 188, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 188, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 188, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 188, 207);  
box-shadow:4px 4px 4px 4px rgb(135, 188,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2374, 45.6223, 65.7694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 188, 207) }
```

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

```
.background{ background-color: rgb(135,  
188, 207) }
```

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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