

Converting Colors

XYZ(39.9788, 46.0665, 69.2415)

Have a look what the booklet for
XYZ(39.9788, 46.0665, 69.2415)
contains.

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Color

**XYZ(39.8586, 45.8708,
69.0405)**

Conversions

Conversions Part 1

Format	Color
Hex	87BCD4
RGB	135, 188, 212
RGB Percent	53%, 74%, 83%
CMY	0.4706, 0.2627, 0.1686
CMYK	0.36, 0.11, 0.00, 0.17
HSL	199°, 47%, 68%
HSV	199°, 36%, 83%
XYZ	39.8586, 45.8708, 69.0405
YIQ	174.8890, -39.2920, -3.7720

Conversions

Conversions Part 2

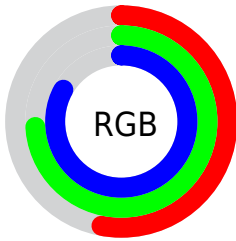
Format	Color
RYB	135, 166, 212
Decimal	8895700
CIELab	73.46, -11.36, -17.58
CIELCh	73, 20.928, 237.131
Yxy	45.8708, 0.2575, 0.2964
Android (android.graphics.Color)	4287085780 (0xFF87BCD4)
YUV	174.8890, 18.2957, -34.9827
Hunter-Lab	67.7280, -13.4749, -13.0294

Details

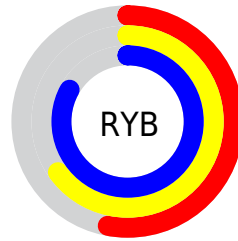
The XYZ color **39.8586, 45.8708, 69.0405** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.9236, 40.5434, 28.4337**, and the grayscale version is **40.6143, 42.7294, 46.5323**.

A 20% lighter version of the original color is **71.8865, 82.9977, 106.8391**, and **18.1431, 21.5116, 35.0942** is the 20% darker color. If you saturate the color by 10%, you get **35.4022, 41.5267, 68.4377**, and if you desaturate by 10%, it is **45.0616, 50.6978, 69.6988**.

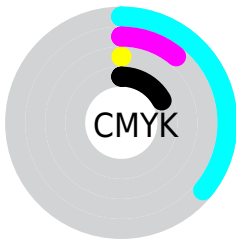
Distribution



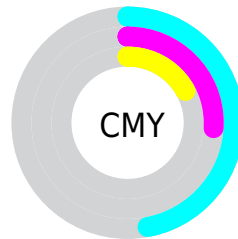
- Red (53%)
- Green (74%)
- Blue (83%)



- Red (53%)
- Yellow (65%)
- Blue (83%)



- Cyan (36%)
- Magenta (11%)
- Yellow (0%)
- Black (17%)



- Cyan (47%)
- Magenta (26%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8586, 45.8708, 69.0405 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 39.8586, 45.8708, 69.0405 by changing the saturation by 10% instead.

■ 39.8586, 45.8708,
69.0405

■ 39.8586, 45.8708,
69.0405

336.6719,
370.2890, 475.8716

■ 27.6120, 32.1439,
50.2727

■ 74.2339, 84.0256,
119.5077

■ 18.1724, 21.4714,
35.2575

■ 97.0933, 109.2223,
152.0441

■ 11.1742, 13.4690,
23.5761

■ 124.2210,
139.0110, 190.0073

■ 6.2523, 7.7523,
14.8102

155.9824,
173.7761, 233.8156

■ 3.0412, 3.9369,
8.5411

192.7428,
213.9021, 283.8877

■ 1.1756, 1.6383,
4.3504

234.8676,

■ 0.0870, 0.3832,

259.7733, 340.6420

1.8195

282.7222,
311.7741, 404.4971

■ 0.0000, 0.0000,
0.4408

■ 0.0000, 0.0000,
0.0000

■ 39.8586, 45.8708,
69.0405

■ 39.8586, 45.8708,
69.0405

■ 35.4022, 41.5267,
68.4377

■ 45.0616, 50.6978,
69.6988

■ 31.6468, 37.6377,
67.8850

■ 51.0450, 56.0233,
70.4113

■ 28.5481, 34.1805,
67.3810

■ 57.8455, 61.8684,
71.1811

■ 26.0546, 31.1275,
66.9231

■ 65.4961, 68.2513,
72.0099

■ 24.1063, 28.4462,
66.5082

■ 74.0281, 75.1894,
72.8994

■ 22.6277, 26.0964,
66.1326

■ 80.7705, 81.3069,
73.7249

■ 22.1514, 25.2887,
66.0018

■ 82.6194, 85.0048,
74.3412

■ 84.5386, 88.8430,
74.9809

■ 86.5286, 92.8232,
75.6442

Harmonies

Analogous

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



37.5815, 45.8708, 59.8018



39.8586, 45.8708, 69.0405



43.2444, 45.8708, 73.1255

Triad

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



39.8586, 45.8708, 69.0405



51.0797, 45.8708, 50.9701



40.4412, 45.8708, 33.9494

Complementary

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



39.8586, 45.8708, 69.0405



43.9236, 40.5434, 28.4337

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.



43.9551, 45.8708, 32.2683



39.8586, 45.8708, 69.0405



50.2264, 45.8708, 41.2365

Square

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



39.8586, 45.8708, 69.0405



49.8369, 45.8708, 61.8114



47.5660, 45.8708, 34.7423



37.9043, 45.8708, 39.7045

Rectangle

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



39.8586, 45.8708, 69.0405



45.7233, 45.8708, 72.0013



47.5660, 45.8708, 34.7423



41.5412, 45.8708, 32.9278

Sweetspot

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



39.8600, 45.8726, 69.0416



82.7470, 89.6111, 107.5432



39.7165, 54.7109, 40.8612



17.4102, 18.9213, 22.9845



0.0000, 0.0000, 0.0000



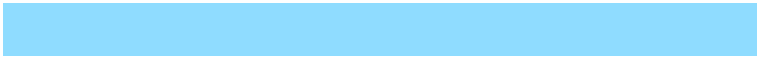
20.3446, 21.4041, 23.3091

Same Dimension

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



39.8600, 45.8726, 69.0416



54.9443, 64.2442, 104.1122



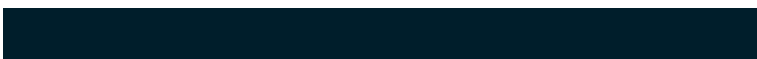
32.8469, 31.8464, 66.7039



12.4505, 13.4244, 15.8725



13.7679, 15.7977, 40.7768



0.9027, 1.0974, 2.4836

Inverse Universe

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



44.8937, 34.9572, 51.9601



63.9548, 46.0138, 73.2421



51.4011, 55.4984, 30.9262



12.7806, 12.5637, 14.7848



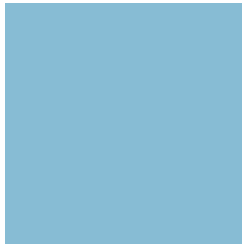
20.0083, 9.9396, 17.8795



1.2433, 0.6141, 1.2706

Previews

White Background



This preview shows how the XYZ color 39.8586, 45.8708, 69.0405 looks on a white background.

Color Contrast Check

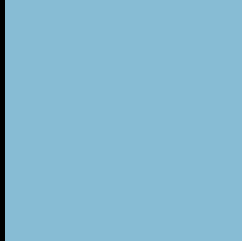
Large Text (above 18pt) WCAG AA × Fail

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 39.8586, 45.8708, 69.0405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

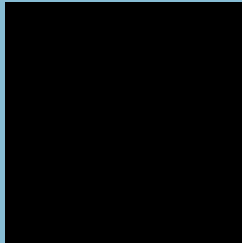
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8586, 45.8708, 69.0405

Background



This preview shows how black text looks on a background with the XYZ color 39.8586, 45.8708, 69.0405.



This preview shows how white text looks on a background with the XYZ color 39.8586, 45.8708,

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

39.8586, 45.8708, 69.0405

Protanopia

44.7402, 45.4110, 64.7997

Deuteranopia

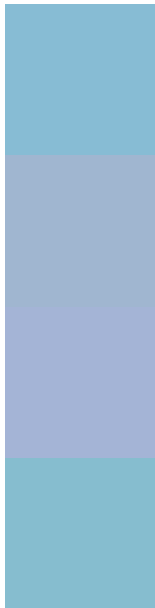
46.6135, 45.6603, 70.6465



Tritanopia

38.7695, 45.7414, 63.9123

Trichromacy



Original Color

39.8586, 45.8708, 69.0405

Protanomaly

42.6103, 45.4835, 66.2079

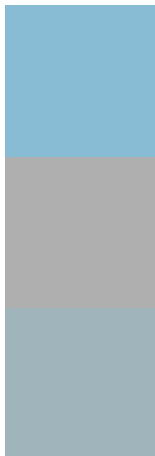
Deuteranomaly

43.7687, 45.3901, 70.0726

Tritanomaly

39.2916, 45.9685, 65.8334

Monochromacy



Original Color

39.8586, 45.8708, 69.0405

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.8956, 43.7469, 53.9182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8586, 45.8708, 69.0405 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(135, 188, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 188, 212) }
```

Border

The CSS property to change the border of an element to XYZ 39.8586, 45.8708, 69.0405 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, 212) }
```


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

```
.border{ border-color:rgb(135, 188, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 188, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 188, 212);  
box-shadow:4px 4px 4px 4px rgb(135, 188,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8586, 45.8708, 69.0405 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, 212) }
```

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

```
.background{ background-color: rgb(135,  
188, 212) }
```

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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