

Converting Colors

XYZ(39.6786, 48.1149, 74.7460)

Have a look what the booklet for
XYZ(39.6786, 48.1149, 74.7460)
contains.

XYZ(39.8607, 48.3602, 74.9437)	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(39.8607, 48.3602,
74.9437)**

Conversions

Conversions Part 1

Format	Color
Hex	74C4DC
RGB	116, 196, 220
RGB Percent	45%, 77%, 86%
CMY	0.5451, 0.2314, 0.1373
CMYK	0.47, 0.11, 0.00, 0.14
HSL	194°, 60%, 66%
HSV	194°, 47%, 86%
XYZ	39.8607, 48.3602, 74.9437
YIQ	174.8160, -55.3840, -9.4960

Conversions

Conversions Part 2

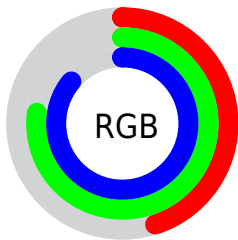
Format	Color
R _{YB}	116, 161, 220
Decimal	7652572
CIE Lab	75.05, -18.20, -19.60
CIE LCh	75, 26.750, 227.114
Yxy	48.3602, 0.2443, 0.2964
Android (android.graphics.Color)	4285842652 (0xFF74C4DC)
YUV	174.8160, 22.2757, -51.5816
Hunter-Lab	69.5415, -19.3827, -15.2168

Details

The XYZ color **39.8607, 48.3602, 74.9437** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.0468, 35.2339, 21.1093**, and the grayscale version is **40.5629, 42.6753, 46.4734**.

A 20% lighter version of the original color is **70.4089, 86.3548, 107.5649**, and **18.1519, 22.9325, 39.0670** is the 20% darker color. If you saturate the color by 10%, you get **36.1498, 44.7769, 74.4485**, and if you desaturate by 10%, it is **44.3058, 52.3817, 75.4865**.

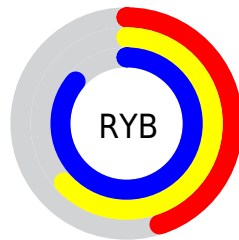
Distribution



Red (45%)

Green (77%)

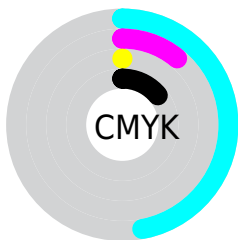
Blue (86%)



Red (45%)

Yellow (63%)

Blue (86%)

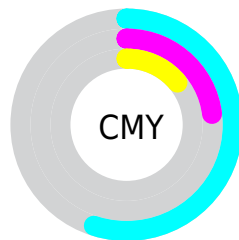


Cyan (47%)

Magenta (11%)

Yellow (0%)

Black (14%)



Cyan (55%)

Magenta (23%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8607, 48.3602, 74.9437 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 39.8607, 48.3602, 74.9437 by changing the saturation by 10% instead.

■ 39.8607, 48.3602,
74.9437

■ 39.8607, 48.3602,
74.9437

336.6806,
380.2181, 496.9743

■ 27.6137, 34.1122,
55.0653

■ 74.2370, 87.7405,
127.9790

■ 18.1736, 22.9798,
39.0551

■ 97.0971, 113.6415,
161.9731

■ 11.1751, 14.5786,
26.4944

■ 124.2255,
144.1958, 201.5094

■ 6.2529, 8.5242,
16.9648

155.9876,
179.7876, 247.0065

■ 3.0416, 4.4322,
10.0477

192.7488,
220.8013, 298.8831

■ 1.1758, 1.9181,
5.3246

234.8745,

■ 0.0871, 0.5592,

267.6214, 357.5575

2.3769

282.7300,
320.6322, 423.4484

■ 0.0000, 0.0000,
0.7738

■ 0.0000, 0.0000,
0.0000

■ 39.8607, 48.3602,
74.9437

■ 39.8607, 48.3602,
74.9437

■ 36.1498, 44.7769,
74.4485

■ 44.3058, 52.3817,
75.4865

■ 33.1186, 41.5998,
73.9950

■ 49.5257, 56.8596,
76.0757

■ 30.7118, 38.8012,
73.5817

■ 55.5634, 61.8177,
76.7145

■ 28.8633, 36.3461,
73.2052

■ 62.4572, 67.2763,
77.4048

■ 27.4848, 34.1885,
72.8614

■ 70.2429, 73.2544,
78.1483

■ 27.1500, 33.6305,
72.7714

■ 78.9544, 79.7700,
78.9468

■ 82.8858, 83.8821,
79.5333

■ 84.3318, 86.7741,
80.0153

■ 85.8194, 89.7494,
80.5112

Harmonies

Analogous

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



37.5547, 48.3602, 60.9810



39.8607, 48.3602, 74.9437



43.9005, 48.3602, 83.4957

Triad

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



39.8607, 48.3602, 74.9437



55.7493, 48.3602, 58.8901



43.2542, 48.3602, 30.8924

Complementary

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



39.8607, 48.3602, 74.9437



42.0468, 35.2339, 21.1093

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.



48.0930, 48.3602, 30.5336



39.8607, 48.3602, 74.9437



55.5455, 48.3602, 45.1255

Square

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



39.8607, 48.3602, 74.9437



53.2012, 48.3602, 73.1811



52.6625, 48.3602, 35.2932



39.4165, 48.3602, 36.3796

Rectangle

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



39.8607, 48.3602, 74.9437



47.1387, 48.3602, 84.1374



52.6625, 48.3602, 35.2932



44.8107, 48.3602, 30.2075

Sweetspot

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



39.8622, 48.3620, 74.9448



80.5418, 88.7027, 107.4841



37.4231, 56.7510, 33.2309



16.8074, 18.6406, 22.9621



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.



39.8622, 48.3620, 74.9448



50.4148, 62.4684, 104.0082



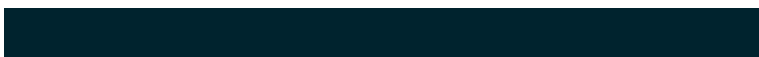
30.3190, 29.2756, 71.7638



13.1769, 14.2935, 16.7166



16.0222, 19.9137, 42.7377



1.1013, 1.4167, 2.7899

Inverse Universe

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



45.7257, 31.6934, 55.9339



59.8907, 37.5815, 72.8253



51.1979, 53.5363, 24.1596



13.4791, 13.2208, 15.7844



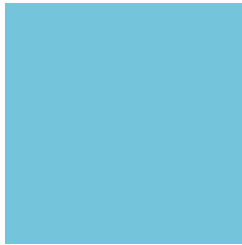
21.5826, 10.6341, 23.2456



1.4302, 0.7017, 1.6743

Previews

White Background



This preview shows how the XYZ color 39.8607, 48.3602, 74.9437 looks on a white background.

Color Contrast Check

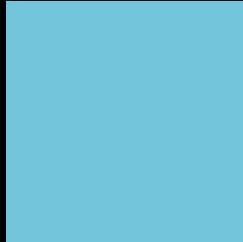
Large Text (above 18pt) WCAG AA × Fail

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 39.8607, 48.3602, 74.9437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

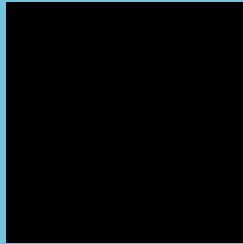
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8607, 48.3602, 74.9437

Background



This preview shows how black text looks on a background with the XYZ color 39.8607, 48.3602, 74.9437.



This preview shows how white text looks on a background with the XYZ color 39.8607, 48.3602,

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

39.8607, 48.3602, 74.9437

Protanopia

47.0762, 47.7428, 68.3621

Deuteranopia

48.9319, 47.9153, 76.4816



Tritanopia

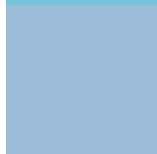
38.9159, 48.3140, 70.2252

Trichromacy



Original Color

39.8607, 48.3602, 74.9437



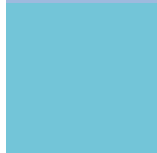
Protanomaly

43.6182, 47.4636, 70.4808



Deuteranomaly

44.8443, 47.6608, 75.9432



Tritanomaly

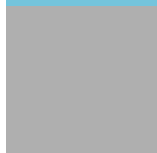
39.4312, 48.5352, 72.2557

Monochromacy



Original Color

39.8607, 48.3602, 74.9437



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

39.6639, 44.4986, 55.7888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8607, 48.3602, 74.9437 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(116, 196, 220)` looks like.

```
.text, #text, p{  
    color:rgb(116, 196, 220)  
}
```

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(116, 196, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 196, 220) }
```

Border

The CSS property to change the border of an element to XYZ 39.8607, 48.3602, 74.9437 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(116, 196, 220) }
```


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

```
.border{ border-color:rgb(116, 196, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 196, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 196, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 196, 220);  
box-shadow:4px 4px 4px 4px rgb(116, 196,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8607, 48.3602, 74.9437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 196, 220) }
```

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

```
.background{ background-color: rgb(116,  
196, 220) }
```

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