

Converting Colors

XYZ(40.1442, 48.2389, 69.2538)

Have a look what the booklet for
XYZ(40.1442, 48.2389, 69.2538)
contains.

XYZ(40.3009, 48.3729, 69.5002)	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(40.3009, 48.3729,
69.5002)**

Conversions

Conversions Part 1

Format	Color
Hex	80C3D4
RGB	128, 195, 212
RGB Percent	50%, 76%, 83%
CMY	0.4980, 0.2353, 0.1686
CMYK	0.40, 0.08, 0.00, 0.17
HSL	192°, 49%, 67%
HSV	192°, 40%, 83%
XYZ	40.3009, 48.3729, 69.5002
YIQ	176.9050, -45.3890, -8.9170

Conversions

Conversions Part 2

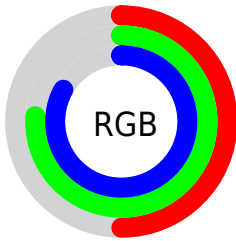
Format	Color
RYB	128, 165, 212
Decimal	8438740
CIELab	75.06, -16.87, -15.20
CIELCh	75, 22.707, 222.031
Yxy	48.3729, 0.2548, 0.3058
Android (android.graphics.Color)	4286628820 (0xFF80C3D4)
YUV	176.9050, 17.3018, -42.8897
Hunter-Lab	69.5506, -18.2823, -10.5616

Details

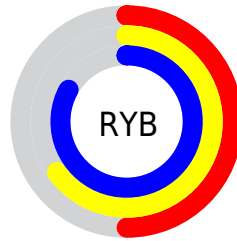
The XYZ color **40.3009, 48.3729, 69.5002** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.1740, 35.8072, 25.1648**, and the grayscale version is **41.6705, 43.8406, 47.7424**.

A 20% lighter version of the original color is **72.6276, 87.0312, 107.5786**, and **18.3583, 22.9005, 35.3509** is the 20% darker color. If you saturate the color by 10%, you get **36.4920, 45.0039, 69.0515**, and if you desaturate by 10%, it is **44.8066, 52.1444, 69.9915**.

Distribution



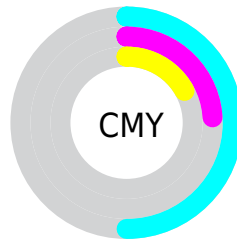
- Red (50%)
- Green (76%)
- Blue (83%)



- Red (50%)
- Yellow (65%)
- Blue (83%)



- Cyan (40%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)



- Cyan (50%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3009, 48.3729, 69.5002 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 40.3009, 48.3729, 69.5002 by changing the saturation by 10% instead.

40.3009, 48.3729,
69.5002

40.3009, 48.3729,
69.5002

338.5029,
380.2683, 477.5348

27.9585, 34.1223,
50.6449

74.9029, 87.7594,
120.1702

18.4347, 22.9876,
35.5513

97.8932, 113.6640,
152.8219

11.3641, 14.5843,
23.8009

125.1636,
144.2221, 190.9095

6.3814, 8.5282,
14.9752

157.0793,
179.8180, 234.8515

3.1212, 4.4347,
8.6555

194.0057,
220.8362, 285.0665

1.2182, 1.9196,
4.4235

236.3082,

0.1206, 0.5601,

267.6611, 341.9731

1.8604

284.3522,
320.6770, 405.9896

■ 0.0000, 0.0000,
0.4674

■ 0.0000, 0.0000,
0.0000

■ 40.3009, 48.3729,
69.5002

■ 40.3009, 48.3729,
69.5002

■ 36.4920, 45.0039,
69.0515

■ 44.8066, 52.1444,
69.9915

■ 33.3334, 42.0096,
68.6400

■ 50.0429, 56.3328,
70.5240

■ 30.7798, 39.3676,
68.2647

■ 56.0471, 60.9586,
71.1004

■ 28.7778, 37.0499,
67.9228

■ 62.8522, 66.0394,
71.7224

■ 27.2646, 35.0238,
67.6115

■ 70.4893, 71.5914,
72.3916

■ 26.1308, 33.2326,
67.3255

■ 78.9127, 77.5914,
73.1057

■ 26.0905, 33.1668,
67.3149

■ 80.0583, 79.8824,
73.4875

■ 81.2329, 82.2318,
73.8791

■ 82.4370, 84.6398,
74.2804

Harmonies

Analogous

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



38.6059, 48.3729, 57.5784



40.3009, 48.3729, 69.5002



43.5589, 48.3729, 77.5361

Triad

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



40.3009, 48.3729, 69.5002



53.9928, 48.3729, 60.0394



44.3337, 48.3729, 33.3313

Complementary

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



40.3009, 48.3729, 69.5002



41.1740, 35.8072, 25.1648

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.



48.4829, 48.3729, 33.7850



40.3009, 48.3729, 69.5002



54.2313, 48.3729, 48.0485

Square

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



40.3009, 48.3729, 69.5002



51.5292, 48.3729, 71.5337



52.1625, 48.3729, 38.8028



40.8386, 48.3729, 37.4533

Rectangle

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



40.3009, 48.3729, 69.5002



46.2604, 48.3729, 78.9687



52.1625, 48.3729, 38.8028



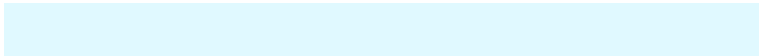
45.6948, 48.3729, 32.9732

Sweetspot

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



40.3024, 48.3748, 69.5013



82.7309, 90.7638, 107.7665



37.5422, 53.7154, 35.0981



17.4440, 19.2252, 23.0414



0.0000, 0.0000, 0.0000



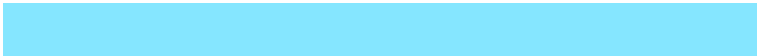
20.3446, 21.4041, 23.3091

Same Dimension

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



40.3024, 48.3748, 69.5013



56.0209, 68.8963, 104.9534



32.2110, 32.1920, 66.8042



12.5688, 13.6611, 15.9119



16.1795, 20.6209, 41.5806



1.0312, 1.3544, 2.5264

Inverse Universe

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



44.7222, 33.3769, 55.7171



63.8883, 43.6519, 80.0914



48.7767, 51.0126, 27.6990



12.8403, 12.5876, 15.0994



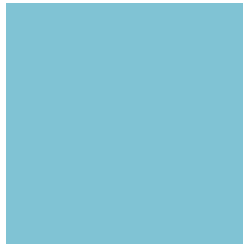
21.2255, 10.4265, 24.2895



1.3081, 0.6400, 1.6120

Previews

White Background



This preview shows how the XYZ color 40.3009, 48.3729, 69.5002 looks on a white background.

Color Contrast Check

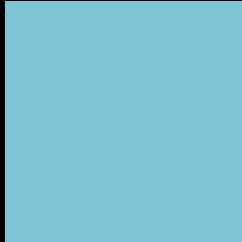
Large Text (above 18pt) WCAG AA × Fail

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 40.3009, 48.3729, 69.5002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

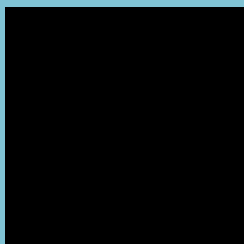
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

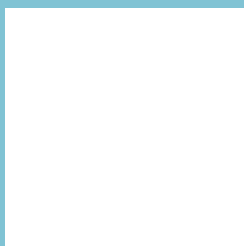
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.3009, 48.3729, 69.5002

Background



This preview shows how black text looks on a background with the XYZ color 40.3009, 48.3729, 69.5002.



This preview shows how white text looks on a background with the XYZ color 40.3009, 48.3729,

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

40.3009, 48.3729, 69.5002

Protanopia

46.8886, 48.0504, 63.9301

Deuteranopia

49.0805, 48.1136, 70.9900



Tritanopia

40.1751, 48.3226, 68.8378

Trichromacy



Original Color

40.3009, 48.3729, 69.5002

Protanomaly

43.9331, 47.7270, 65.9282

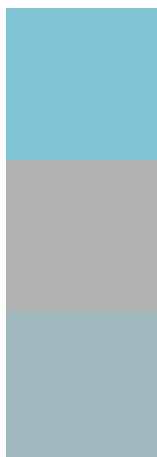
Deuteranomaly

45.2124, 47.6600, 70.4347

Tritanomaly

40.1751, 48.3226, 68.8378

Monochromacy



Original Color

40.3009, 48.3729, 69.5002

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.7328, 45.3696, 55.3256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3009, 48.3729, 69.5002 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(128, 195, 212)` looks like.

```
.text, #text, p{  
    color:rgb(128, 195, 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(128, 195, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 195, 212) }
```

Border

The CSS property to change the border of an element to XYZ 40.3009, 48.3729, 69.5002 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(128, 195, 212) }
```


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

```
.border{ border-color:rgb(128, 195, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 195, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 195, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 195, 212);  
box-shadow:4px 4px 4px 4px rgb(128, 195,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3009, 48.3729, 69.5002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 195, 212) }
```

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

```
.background{ background-color: rgb(128,  
195, 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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