

Converting Colors

XYZ(40.4344, 49.0966, 70.2887)

Have a look what the booklet for
XYZ(40.4344, 49.0966, 70.2887)
contains.

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Color

**XYZ(40.4339, 49.0966,
70.2963)**

Conversions

Conversions Part 1

Format	Color
Hex	7DC5D5
RGB	125, 197, 213
RGB Percent	49%, 77%, 84%
CMY	0.5098, 0.2274, 0.1647
CMYK	0.41, 0.08, 0.00, 0.16
HSL	191°, 51%, 66%
HSV	191°, 41%, 84%
XYZ	40.4339, 49.0966, 70.2963
YIQ	177.2960, -48.0480, -10.2880

Conversions

Conversions Part 2

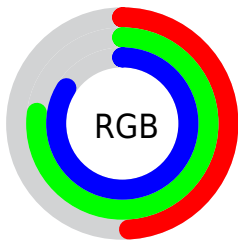
Format	Color
R _{YB}	125, 165, 213
Decimal	8242645
CIE Lab	75.51, -18.40, -15.08
CIE LCh	76, 23.790, 219.333
Yxy	49.0966, 0.2530, 0.3072
Android (android.graphics.Color)	4286432725 (0xFF7DC5D5)
YUV	177.2960, 17.6021, -45.8636
Hunter-Lab	70.0690, -19.6157, -10.4341

Details

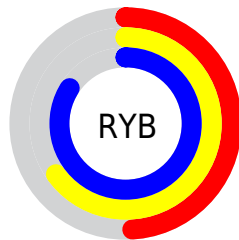
The XYZ color **40.4339, 49.0966, 70.2963** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.6679, 34.6772, 23.9531**, and the grayscale version is **41.8752, 44.0559, 47.9769**.

A 20% lighter version of the original color is **72.5479, 87.9274, 107.7557**, and **18.4483, 23.3788, 35.8880** is the 20% darker color. If you saturate the color by 10%, you get **36.7839, 45.9275, 69.8778**, and if you desaturate by 10%, it is **44.7762, 52.6584, 70.7558**.

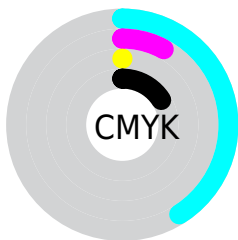
Distribution



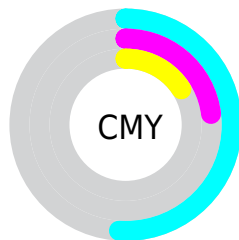
- Red (49%)
- Green (77%)
- Blue (84%)



- Red (49%)
- Yellow (65%)
- Blue (84%)



- Cyan (41%)
- Magenta (8%)
- Yellow (0%)
- Black (16%)



- Cyan (51%)
- Magenta (23%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4339, 49.0966, 70.2963 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 40.4339, 49.0966, 70.2963 by changing the saturation by 10% instead.

■ 40.4339, 49.0966,
70.2963

■ 40.4339, 49.0966,
70.2963

339.0522,
383.1225, 480.4069

■ 28.0627, 34.6961,
51.2898

■ 75.1039, 88.8349,
121.3163

■ 18.5136, 23.4289,
36.0610

■ 98.1335, 114.9415,
154.1669

■ 11.4213, 14.9105,
24.1912

■ 125.4466,
145.7190, 192.4692

■ 6.4203, 8.7566,
15.2620

157.4086,
181.5516, 236.6420

■ 3.1454, 4.5828,
8.8548

194.3847,
222.8239, 287.1035

■ 1.2311, 2.0046,
4.5511

236.7405,

■ 0.1307, 0.6101,

269.9202, 344.2725

1.9323

284.8412,
323.2250, 408.5675

■ 0.0000, 0.0000,
0.5132

■ 0.0000, 0.0000,
0.0000

■ 40.4339, 49.0966,
70.2963

■ 40.4339, 49.0966,
70.2963

■ 36.7839, 45.9275,
69.8778

■ 44.7762, 52.6584,
70.7558

■ 33.7786, 43.1228,
69.4949

■ 49.8457, 56.6278,
71.2548

■ 31.3712, 40.6595,
69.1463

■ 55.6803, 61.0256,
71.7961

■ 29.5065, 38.5087,
68.8294

■ 62.3137, 65.8695,
72.3815

■ 28.1186, 36.6362,
68.5411

■ 69.7778, 71.1761,
73.0123

■ 27.2003, 35.1839,
68.3092

■ 78.1027, 76.9611,
73.6902

■ 79.9355, 79.4344,
74.0710

■ 80.9888, 81.5410,
74.4221

■ 82.0660, 83.6954,
74.7811

Harmonies

Analogous

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



38.8191, 49.0966, 57.4761



40.4339, 49.0966, 70.2963



43.7478, 49.0966, 79.4255

Triad

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



40.4339, 49.0966, 70.2963



55.0192, 49.0966, 62.4547



45.3089, 49.0966, 32.9705

Complementary

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



40.4339, 49.0966, 70.2963



40.6679, 34.6772, 23.9531

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.



49.7088, 49.0966, 33.8742



40.4339, 49.0966, 70.2963



55.5023, 49.0966, 49.6314

Square

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



40.4339, 49.0966, 70.2963



52.2238, 49.0966, 74.4280



53.5051, 49.0966, 39.5490



41.5151, 49.0966, 36.8505

Rectangle

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



40.4339, 49.0966, 70.2963



46.5666, 49.0966, 81.4668



53.5051, 49.0966, 39.5490



46.7632, 49.0966, 32.7403

Sweetspot

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



40.4354, 49.0985, 70.2974



82.9255, 91.1531, 107.8314



36.9618, 53.8331, 33.1262



17.4900, 19.3173, 23.0567



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.



40.4354, 49.0985, 70.2974



55.6833, 69.3829, 105.0652



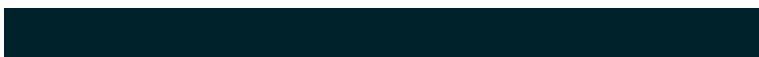
32.0795, 32.3867, 67.5121



12.5913, 13.7060, 15.9194



16.6838, 21.6294, 41.7487



1.0574, 1.4069, 2.5351

Inverse Universe

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



44.8534, 32.8458, 56.8013



63.4342, 42.3842, 81.0482



48.2146, 49.7706, 26.4687



12.8517, 12.5922, 15.1590



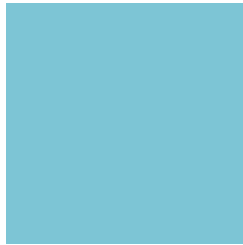
21.4801, 10.5284, 25.6299



1.3214, 0.6453, 1.6818

Previews

White Background



This preview shows how the XYZ color 40.4339, 49.0966, 70.2963 looks on a white background.

Color Contrast Check

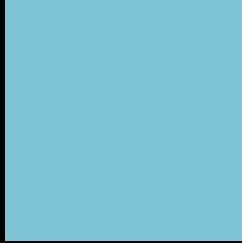
Large Text (above 18pt) WCAG AA × Fail

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 40.4339, 49.0966, 70.2963 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 40.4339, 49.0966, 70.2963

Background



This preview shows how black text looks on a background with the XYZ color 40.4339, 49.0966, 70.2963.



This preview shows how white text looks on a background with the XYZ color 40.4339, 49.0966,

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

40.4339, 49.0966, 70.2963

Protanopia

47.6884, 48.7560, 64.6550

Deuteranopia

49.6576, 48.6970, 71.7480



Tritanopia

40.4339, 49.0966, 70.2963

Trichromacy



Original Color

40.4339, 49.0966, 70.2963

Protanomaly

44.4831, 48.6306, 66.7167

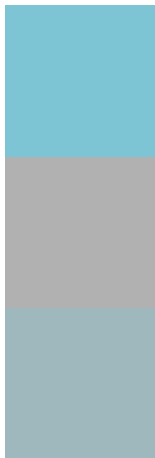
Deuteranomaly

45.5531, 48.4463, 71.2401

Tritanomaly

40.4339, 49.0966, 70.2963

Monochromacy



Original Color

40.4339, 49.0966, 70.2963

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.5353, 45.2678, 55.3163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4339, 49.0966, 70.2963 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(125, 197, 213)` looks like.

```
.text, #text, p{  
    color:rgb(125, 197, 213)  
}
```

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(125, 197, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 197, 213) }
```

Border

The CSS property to change the border of an element to XYZ 40.4339, 49.0966, 70.2963 is called "border". The border property can be set on classes, ids or directly on the HTML element.

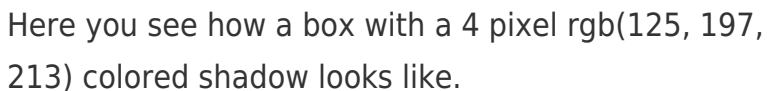
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(125, 197, 213) }
```


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

```
.border{ border-color:rgb(125, 197, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(125, 197, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 197, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 197, 213); box-shadow:4px 4px 4px 4px rgb(125, 197, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4339, 49.0966, 70.2963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 197, 213) }
```

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

```
.background{ background-color: rgb(125,  
197, 213) }
```

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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