

Converting Colors

XYZ(40.6887, 48.6773, 72.7299)

Have a look what the booklet for
XYZ(40.6887, 48.6773, 72.7299)
contains.

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Color

**XYZ(40.8685, 48.9252,
72.9352)**

Conversions

Conversions Part 1

Format	Color
Hex	7EC4D9
RGB	126, 196, 217
RGB Percent	49%, 77%, 85%
CMY	0.5059, 0.2314, 0.1490
CMYK	0.42, 0.10, 0.00, 0.15
HSL	194°, 54%, 67%
HSV	194°, 42%, 85%
XYZ	40.8685, 48.9252, 72.9352
YIQ	177.4640, -48.4610, -8.3090

Conversions

Conversions Part 2

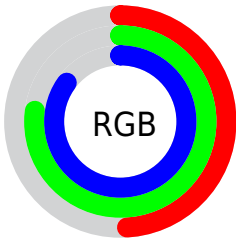
Format	Color
RYB	126, 166, 217
Decimal	8307929
CIELab	75.40, -16.60, -17.40
CIElCh	75, 24.047, 226.348
Yxy	48.9252, 0.2511, 0.3007
Android (android.graphics.Color)	4286498009 (0xFF7EC4D9)
YUV	177.4640, 19.4912, -45.1339
Hunter-Lab	69.9466, -18.1122, -12.8607

Details

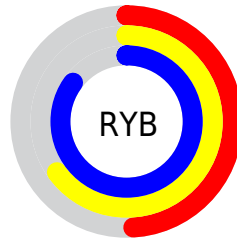
The XYZ color **40.8685, 48.9252, 72.9352** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.8159, 37.1265, 24.6495**, and the grayscale version is **41.9541, 44.1390, 48.0674**.

A 20% lighter version of the original color is **72.4667, 87.4156, 107.6612**, and **18.7204, 23.2567, 37.6847** is the 20% darker color. If you saturate the color by 10%, you get **36.8987, 45.2309, 72.4322**, and if you desaturate by 10%, it is **45.5730, 53.0565, 73.4855**.

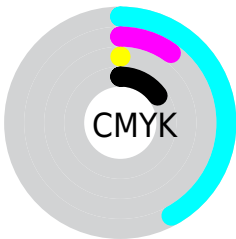
Distribution



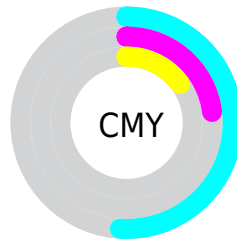
- Red (49%)
- Green (77%)
- Blue (85%)



- Red (49%)
- Yellow (65%)
- Blue (85%)



- Cyan (42%)
- Magenta (10%)
- Yellow (0%)
- Black (15%)



- Cyan (51%)
- Magenta (23%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8685, 48.9252, 72.9352 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 40.8685, 48.9252, 72.9352 by changing the saturation by 10% instead.

40.8685, 48.9252,
72.9352

40.8685, 48.9252,
72.9352

340.8427,
382.4478, 489.8550

28.4036, 34.5601,
53.4315

75.7602, 88.5803,
125.1053

18.7721, 23.3243,
37.7572

98.9177, 114.6392,
158.6087

11.6087, 14.8331,
25.4940

126.3700,
145.3649, 197.6158

6.5482, 8.7023,
16.2231

158.4827,
181.1416, 242.5451

3.2250, 4.5475,
9.5261

195.6209,
222.3539, 293.8151

1.2738, 1.9843,
4.9844

238.1501,

0.1635, 0.5983,

269.3861, 351.8444

2.1795

286.4355,
322.6226, 417.0515

■ 0.0000, 0.0000,
0.6625

■ 0.0000, 0.0000,
0.0000

■ 40.8685, 48.9252,
72.9352

■ 40.8685, 48.9252,
72.9352

■ 36.8987, 45.2309,
72.4322

■ 45.5730, 53.0565,
73.4855

■ 33.6135, 41.9438,
71.9709

■ 51.0493, 57.6410,
74.0818

■ 30.9631, 39.0389,
71.5499

■ 57.3373, 62.7010,
74.7270

■ 28.8892, 36.4855,
71.1663

■ 64.4728, 68.2554,
75.4231

■ 27.3214, 34.2468,
70.8168

■ 72.4893, 74.3220,
76.1715

■ 26.3299, 32.6206,
70.5552

■ 80.9739, 80.6885,
76.9532

■ 82.3559, 83.4525,
77.4139

■ 83.7780, 86.2968,
77.8879

■ 85.2406, 89.2219,
78.3754

Harmonies

Analogous

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



38.8006, 48.9252, 60.4341



40.8685, 48.9252, 72.9352



44.5210, 48.9252, 80.6555

Triad

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



40.8685, 48.9252, 72.9352



55.2767, 48.9252, 59.2367



44.1462, 48.9252, 33.1303

Complementary

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



40.8685, 48.9252, 72.9352



42.8159, 37.1265, 24.6495

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.



48.5407, 48.9252, 32.9144



40.8685, 48.9252, 72.9352



55.1604, 48.9252, 46.6979

Square

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



40.8685, 48.9252, 72.9352



52.9389, 48.9252, 71.9394



52.6306, 48.9252, 37.5033



40.6091, 48.9252, 38.1490

Rectangle

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



40.8685, 48.9252, 72.9352



47.4498, 48.9252, 81.3689



52.6306, 48.9252, 37.5033



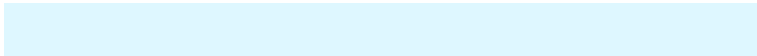
45.5668, 48.9252, 32.5246

Sweetspot

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



40.8700, 48.9271, 72.9363



81.4963, 89.4620, 107.5803



38.5845, 56.1290, 35.8805



16.9961, 18.7919, 22.9814



0.0000, 0.0000, 0.0000



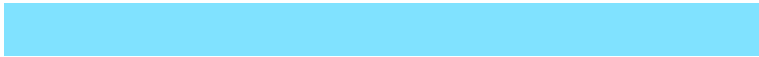
20.3446, 21.4041, 23.3091

Same Dimension

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



40.8700, 48.9271, 72.9363



53.9590, 65.9344, 104.4904



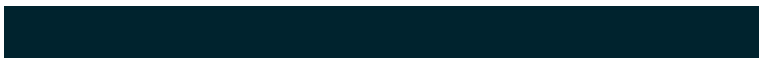
32.3230, 31.8330, 70.0873



13.1769, 14.2935, 16.7166



16.0222, 19.9139, 42.7377



1.1013, 1.4168, 2.7899

Inverse Universe

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



46.0412, 33.6603, 56.2970



62.5638, 42.0361, 76.4651



51.0604, 53.6155, 27.3977



13.4791, 13.2208, 15.7844



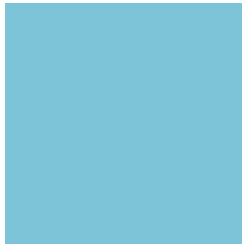
21.5826, 10.6341, 23.2458



1.4302, 0.7017, 1.6743

Previews

White Background



This preview shows how the XYZ color 40.8685, 48.9252, 72.9352 looks on a white background.

Color Contrast Check

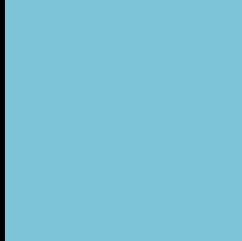
Large Text (above 18pt) WCAG AA × Fail

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 40.8685, 48.9252, 72.9352 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 40.8685, 48.9252, 72.9352

Background



This preview shows how black text looks on a background with the XYZ color 40.8685, 48.9252, 72.9352.



This preview shows how white text looks on a background with the XYZ color 40.8685, 48.9252,

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

40.8685, 48.9252, 72.9352

Protanopia

47.7052, 48.7082, 67.2089

Deuteranopia

49.6918, 48.6542, 74.4823



Tritanopia

40.4339, 49.0966, 70.2963

Trichromacy



Original Color

40.8685, 48.9252, 72.9352

Protanomaly

44.5648, 48.2970, 69.2608

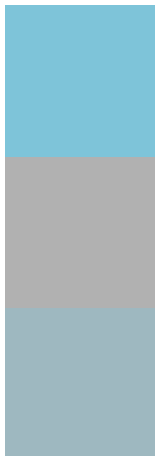
Deuteranomaly

45.6549, 48.1248, 73.9006

Tritanomaly

40.5613, 49.1475, 70.9669

Monochromacy



Original Color

40.8685, 48.9252, 72.9352

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.7555, 45.3559, 56.4757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8685, 48.9252, 72.9352 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(126, 196, 217)` looks like.

```
.text, #text, p{  
    color:rgb(126, 196, 217)  
}
```

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(126, 196, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 196, 217) }
```

Border

The CSS property to change the border of an element to XYZ 40.8685, 48.9252, 72.9352 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(126, 196, 217) }
```


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

```
.border{ border-color:rgb(126, 196, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 196, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 196, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 196, 217); box-shadow:4px 4px 4px 4px rgb(126, 196, 217) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8685, 48.9252, 72.9352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 196, 217) }
```

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

```
.background{ background-color: rgb(126,  
196, 217) }
```

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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