

Converting Colors

XYZ(40.1259, 48.5652, 66.4636)

Have a look what the booklet for
XYZ(40.1259, 48.5652, 66.4636)
contains.

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Color

**XYZ(40.2083, 48.7307,
66.3182)**

Conversions

Conversions Part 1

Format	Color
Hex	82C4CF
RGB	130, 196, 207
RGB Percent	51%, 77%, 81%
CMY	0.4902, 0.2314, 0.1882
CMYK	0.37, 0.05, 0.00, 0.19
HSL	189°, 45%, 66%
HSV	189°, 37%, 81%
XYZ	40.2083, 48.7307, 66.3182
YIQ	177.5200, -42.8670, -10.5710

Conversions

Conversions Part 2

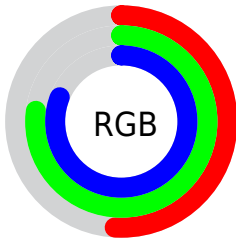
Format	Color
RYB	130, 166, 207
Decimal	8570063
CIELab	75.28, -18.12, -12.15
CIElCh	75, 21.815, 213.839
Yxy	48.7307, 0.2590, 0.3139
Android (android.graphics.Color)	4286760143 (0xFF82C4CF)
YUV	177.5200, 14.5336, -41.6750
Hunter-Lab	69.8074, -19.3488, -7.4613

Details

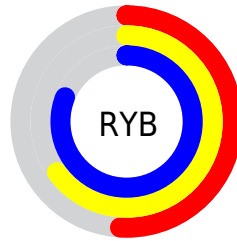
The XYZ color **40.2083, 48.7307, 66.3182** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.2869, 33.9273, 25.5981**, and the grayscale version is **42.0067, 44.1943, 48.1276**.

A 20% lighter version of the original color is **73.4250, 87.9097, 107.7061**, and **18.4033, 23.1824, 33.6417** is the 20% darker color. If you saturate the color by 10%, you get **36.6870, 45.9362, 65.9652**, and if you desaturate by 10%, it is **44.3844, 51.8845, 66.7077**.

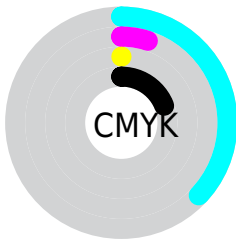
Distribution



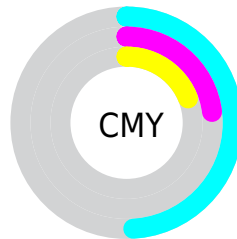
- Red (51%)
- Green (77%)
- Blue (81%)



- Red (51%)
- Yellow (65%)
- Blue (81%)



- Cyan (37%)
- Magenta (5%)
- Yellow (0%)
- Black (19%)



- Cyan (49%)
- Magenta (23%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2083, 48.7307, 66.3182 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 40.2083, 48.7307, 66.3182 by changing the saturation by 10% instead.

■ 40.2083, 48.7307,
66.3182

■ 40.2083, 48.7307,
66.3182

338.1201,
381.6812, 465.9493

■ 27.8859, 34.4059,
48.0726

■ 74.7629, 88.2914,
115.5743

■ 18.3797, 23.2056,
33.5240

■ 97.7259, 114.2960,
147.4219

■ 11.3243, 14.7454,
22.2538

■ 124.9664,
144.9627, 184.6405

■ 6.3543, 8.6409,
13.8434

156.8499,
180.6759, 227.6489

■ 3.1044, 4.5077,
7.8743

193.7416,
221.8199, 276.8653

■ 1.2092, 1.9614,
3.9280

236.0070,

■ 0.1136, 0.5849,

268.7792, 332.7086

1.5859

284.0114,
321.9382, 395.5970

■ 0.0000, 0.0000,
0.2808

■ 0.0000, 0.0000,
0.0000

■ 40.2083, 48.7307,
66.3182

■ 40.2083, 48.7307,
66.3182

■ 36.6870, 45.9362,
65.9652

■ 44.3844, 51.8845,
66.7077

■ 33.7775, 43.4754,
65.6436

■ 49.2462, 55.4104,
67.1320

■ 31.4385, 41.3280,
65.3524

■ 54.8281, 59.3271,
67.5938

■ 29.6216, 39.4689,
65.0893

■ 61.1607, 63.6507,
68.0946

■ 28.2704, 37.8689,
64.8517

■ 68.2729, 68.3961,
68.6357

■ 27.3083, 36.4885,
64.6360

■ 76.1919, 73.5776,
69.2184

■ 27.0709, 36.1216,
64.5777

■ 77.2382, 75.2361,
69.4834

■ 78.0057, 76.7712,
69.7393

■ 78.7870, 78.3338,
69.9997

Harmonies

Analogous

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



39.0478, 48.7307, 54.5502



40.2083, 48.7307, 66.3182



43.0028, 48.7307, 75.4283

Triad

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



40.2083, 48.7307, 66.3182



53.5815, 48.7307, 63.3938



45.8032, 48.7307, 33.9497

Complementary

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



40.2083, 48.7307, 66.3182



39.2869, 33.9273, 25.5981

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.



49.7974, 48.7307, 35.6179



40.2083, 48.7307, 66.3182



54.4367, 48.7307, 51.5961

Square

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



40.2083, 48.7307, 66.3182



50.7408, 48.7307, 73.5763



53.0152, 48.7307, 41.6973



42.1582, 48.7307, 36.7623

Rectangle

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



40.2083, 48.7307, 66.3182



45.4951, 48.7307, 78.1571



53.0152, 48.7307, 41.6973



47.1489, 48.7307, 34.0076

Sweetspot

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



40.2098, 48.7326, 66.3193



84.2080, 92.5331, 108.0302



36.2730, 51.2737, 32.9003



17.7600, 19.6208, 23.1011



0.0000, 0.0000, 0.0000



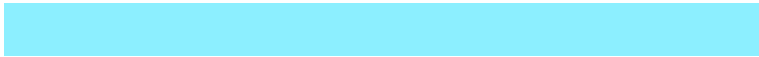
20.3446, 21.4041, 23.3091

Same Dimension

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



40.2098, 48.7326, 66.3193



59.6599, 74.3223, 105.8090



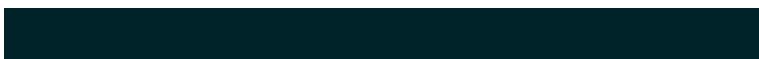
32.7361, 33.7853, 63.8281



12.0085, 13.1072, 15.1407



17.1088, 22.8643, 40.7040



0.9970, 1.3592, 2.2894

Inverse Universe

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



43.6797, 33.2173, 56.3361



66.1771, 46.2983, 86.8084



45.8357, 47.0249, 27.7811



12.2352, 11.9788, 14.5142



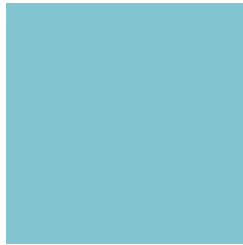
21.2665, 10.3794, 27.3732



1.2095, 0.5885, 1.6378

Previews

White Background



This preview shows how the XYZ color 40.2083, 48.7307, 66.3182 looks on a white background.

Color Contrast Check

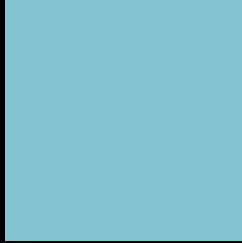
Large Text (above 18pt) WCAG AA × Fail

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 40.2083, 48.7307, 66.3182 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 40.2083, 48.7307, 66.3182

Background



This preview shows how black text looks on a background with the XYZ color 40.2083, 48.7307, 66.3182.



This preview shows how white text looks on a background with the XYZ color 40.2083, 48.7307,

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

40.2083, 48.7307, 66.3182

Protanopia

47.0095, 48.1808, 60.8550

Deuteranopia

49.1893, 48.2428, 67.6920



Tritanopia

40.6331, 48.5587, 68.8592

Trichromacy



Original Color

40.2083, 48.7307, 66.3182

Protanomaly

43.9537, 48.1232, 62.8492

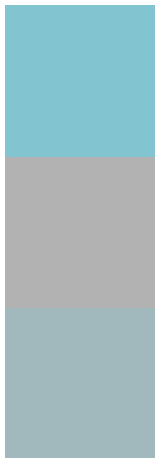
Deuteranomaly

45.2160, 48.0461, 67.2123

Tritanomaly

40.5080, 48.5087, 68.2009

Monochromacy



Original Color

40.2083, 48.7307, 66.3182

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.2322, 45.9491, 54.8400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2083, 48.7307, 66.3182 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(130, 196, 207)` looks like.

```
.text, #text, p{  
    color:rgb(130, 196, 207)  
}
```

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(130, 196, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 196, 207) }
```

Border

The CSS property to change the border of an element to XYZ 40.2083, 48.7307, 66.3182 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(130, 196, 207) }
```


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

```
.border{ border-color:rgb(130, 196, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 196, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 196, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 196, 207);  
box-shadow:4px 4px 4px 4px rgb(130, 196,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2083, 48.7307, 66.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 196, 207) }
```

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

```
.background{ background-color: rgb(130,  
196, 207) }
```

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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