

Converting Colors

XYZ(41.9612, 49.6945, 79.0182)

Have a look what the booklet for
XYZ(41.9612, 49.6945, 79.0182)
contains.

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Color

**XYZ(42.0059, 49.7086,
79.3323)**

Conversions

Conversions Part 1

Format	Color
Hex	7CC5E2
RGB	124, 197, 226
RGB Percent	49%, 77%, 89%
CMY	0.5137, 0.2274, 0.1137
CMYK	0.45, 0.13, 0.00, 0.11
HSL	197°, 64%, 69%
HSV	197°, 45%, 89%
XYZ	42.0059, 49.7086, 79.3323
YIQ	178.4790, -52.8170, -6.4570

Conversions

Conversions Part 2

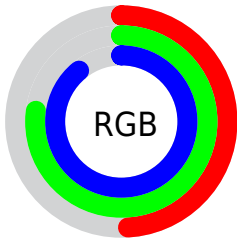
Format	Color
RYB	124, 167, 226
Decimal	8177122
CIELab	75.89, -15.22, -21.54
CIELCh	76, 26.373, 234.747
Yxy	49.7086, 0.2456, 0.2906
Android (android.graphics.Color)	4286367202 (0xFF7CC5E2)
YUV	178.4790, 23.4279, -47.7781
Hunter-Lab	70.5043, -17.0337, -17.3608

Details

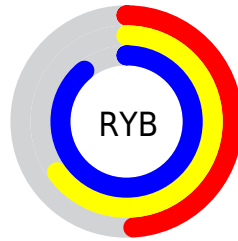
The XYZ color **42.0059, 49.7086, 79.3323** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.3944, 40.4075, 24.4244**, and the grayscale version is **42.4717, 44.6836, 48.6604**.

A 20% lighter version of the original color is **72.5479, 87.9274, 107.7557**, and **19.4879, 23.7785, 42.0907** is the 20% darker color. If you saturate the color by 10%, you get **37.6788, 45.3590, 78.7217**, and if you desaturate by 10%, it is **47.1468, 54.5722, 80.0010**.

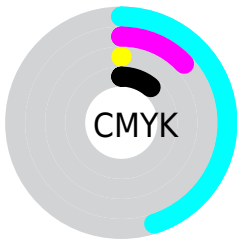
Distribution



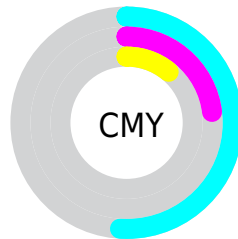
- Red (49%)
- Green (77%)
- Blue (89%)



- Red (49%)
- Yellow (65%)
- Blue (89%)



- Cyan (45%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)



- Cyan (51%)
- Magenta (23%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0059, 49.7086, 79.3323 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 42.0059, 49.7086, 79.3323 by changing the saturation by 10% instead.

■ 42.0059, 49.7086,
79.3323

■ 42.0059, 49.7086,
79.3323

345.4986,
385.5253, 512.3271

■ 29.2970, 35.1819,
58.6461

■ 77.4737, 89.7430,
134.2295

■ 19.4511, 23.8030,
41.9102

■ 100.9633,
116.0195, 169.2776

■ 12.1026, 15.1876,
28.7059

■ 128.7772,
146.9813, 209.9500

■ 6.8863, 8.9511,
18.6148

161.2807,
183.0130, 256.6654

■ 3.4368, 4.7093,
11.2183

198.8393,
224.4988, 309.8423

■ 1.3887, 2.0777,
6.0978

241.8182,

■ 0.2482, 0.6521,

271.8232, 369.8992

2.8349

290.5829,
325.3706, 437.2546

■ 0.0000, 0.0000,
1.0110

■ 0.0000, 0.0000,
0.0000

■ 42.0059, 49.7086,
79.3323

■ 42.0059, 49.7086,
79.3323

■ 37.6788, 45.3590,
78.7217

■ 47.1468, 54.5722,
80.0010

■ 34.1081, 41.4894,
78.1630

■ 53.1443, 59.9698,
80.7267

■ 31.2362, 38.0702,
77.6544

■ 60.0439, 65.9269,
81.5129

■ 28.9944, 35.0646,
77.1924

■ 67.8863, 72.4657,
82.3617

■ 27.2987, 32.4282,
76.7729

■ 76.7096, 79.6069,
83.2751

■ 26.6037, 31.2432,
76.5808

■ 84.8351, 86.4860,
84.1746

■ 86.7139, 90.2435,
84.8009

■ 88.6598, 94.1355,
85.4495

■ 90.6737, 98.1631,
86.1208

Harmonies

Analogous

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



39.1834, 49.7086, 66.2454



42.0059, 49.7086, 79.3323



46.3877, 49.7086, 85.7473

Triad

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



42.0059, 49.7086, 79.3323



57.2814, 49.7086, 56.6368



43.4049, 49.7086, 33.1015

Complementary

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



42.0059, 49.7086, 79.3323



46.3944, 40.4075, 24.4244

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.



48.1159, 49.7086, 31.4241



42.0059, 49.7086, 79.3323



56.3462, 49.7086, 43.5799

Square

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



42.0059, 49.7086, 79.3323



55.3800, 49.7086, 71.2718



52.9059, 49.7086, 34.9167



39.9511, 49.7086, 39.9745

Rectangle

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



42.0059, 49.7086, 79.3323



49.6898, 49.7086, 84.6960



52.9059, 49.7086, 34.9167



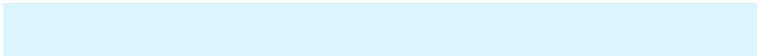
44.8847, 49.7086, 31.9678

Sweetspot

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



42.0075, 49.7105, 79.3335



79.9609, 87.5410, 107.2905



41.2513, 60.9755, 39.6905



16.6650, 18.3558, 22.9146



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.



42.0075, 49.7105, 79.3335



49.9444, 60.0584, 103.5678



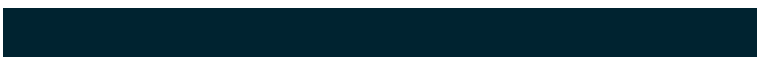
32.3353, 30.3662, 76.1094



13.7701, 14.8793, 17.5339



15.2831, 18.0357, 43.7241



1.1344, 1.4002, 3.0557

Inverse Universe

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



48.6511, 34.6167, 56.9428



60.0118, 39.0028, 69.2305



56.5724, 60.7634, 27.8171



14.1202, 13.8657, 16.4030



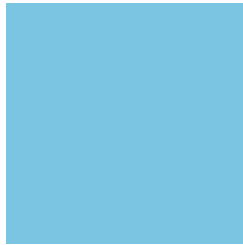
21.6544, 10.7288, 20.6435



1.5388, 0.7588, 1.6303

Previews

White Background



This preview shows how the XYZ color 42.0059, 49.7086, 79.3323 looks on a white background.

Color Contrast Check

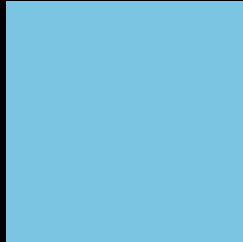
Large Text (above 18pt) WCAG AA × Fail

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 42.0059, 49.7086, 79.3323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

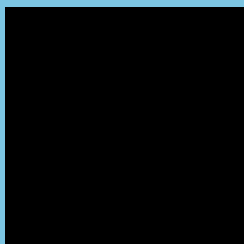
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

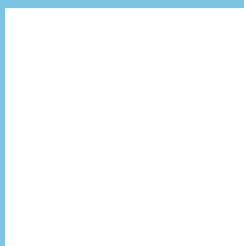
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0059, 49.7086, 79.3323

Background



This preview shows how black text looks on a background with the XYZ color 42.0059, 49.7086, 79.3323.



This preview shows how white text looks on a background with the XYZ color 42.0059, 49.7086,

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

42.0059, 49.7086, 79.3323

Protanopia

48.8262, 49.4632, 73.3036

Deuteranopia

50.3992, 49.1803, 80.9652



Tritanopia

40.5743, 49.8181, 71.7673

Trichromacy



Original Color

42.0059, 49.7086, 79.3323

Protanomaly

45.7459, 49.0892, 75.4707

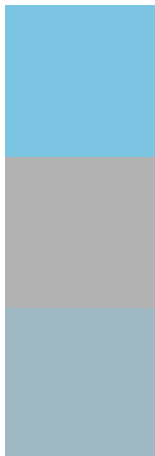
Deuteranomaly

46.6742, 48.8235, 80.3627

Tritanomaly

41.0063, 49.6402, 74.4381

Monochromacy



Original Color

42.0059, 49.7086, 79.3323

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.2998, 45.9072, 58.3140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0059, 49.7086, 79.3323 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(124, 197, 226)` looks like.

```
.text, #text, p{  
    color:rgb(124, 197, 226)  
}
```

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(124, 197, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 197, 226) }
```

Border

The CSS property to change the border of an element to XYZ 42.0059, 49.7086, 79.3323 is called "border". The border property can be set on classes, ids or directly on the HTML element.

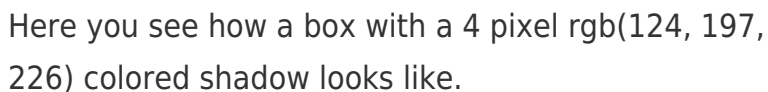
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(124, 197, 226) }
```


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

```
.border{ border-color:rgb(124, 197, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(124, 197, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 197, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 197, 226);  
box-shadow:4px 4px 4px 4px rgb(124, 197,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0059, 49.7086, 79.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 197, 226) }
```

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

```
.background{ background-color: rgb(124,  
197, 226) }
```

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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