

Converting Colors

XYZ(42.8140, 50.1648, 74.4476)

Have a look what the booklet for
XYZ(42.8140, 50.1648, 74.4476)
contains.

XYZ(42.9058, 50.2812, 74.4617)	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(42.9058, 50.2812,
74.4617)**

Conversions

Conversions Part 1

Format	Color
Hex	88C5DB
RGB	136, 197, 219
RGB Percent	53%, 77%, 86%
CMY	0.4667, 0.2274, 0.1412
CMYK	0.38, 0.10, 0.00, 0.14
HSL	196°, 54%, 70%
HSV	196°, 38%, 86%
XYZ	42.9058, 50.2812, 74.4617
YIQ	181.2690, -43.4180, -6.0900

Conversions

Conversions Part 2

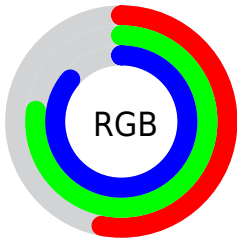
Format	Color
RYB	136, 171, 219
Decimal	8963547
CIELab	76.24, -14.04, -17.17
CIELCh	76, 22.176, 230.732
Yxy	50.2812, 0.2559, 0.2999
Android (android.graphics.Color)	4287153627 (0xFF88C5DB)
YUV	181.2690, 18.6014, -39.7009
Hunter-Lab	70.9092, -16.0843, -12.6239

Details

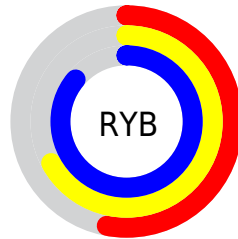
The XYZ color **42.9058, 50.2812, 74.4617** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.8852, 41.2923, 28.8458**, and the grayscale version is **43.9871, 46.2779, 50.3966**.

A 20% lighter version of the original color is **75.2300, 89.3101, 107.8813**, and **20.0030, 24.1191, 38.7231** is the 20% darker color. If you saturate the color by 10%, you get **38.4135, 46.0473, 73.8821**, and if you desaturate by 10%, it is **48.1786, 54.9951, 75.0945**.

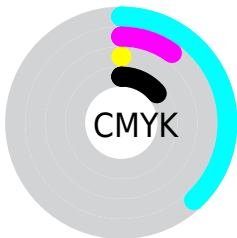
Distribution



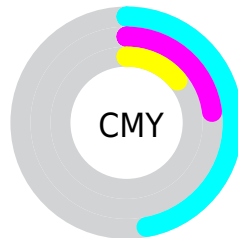
- Red (53%)
- Green (77%)
- Blue (86%)



- Red (53%)
- Yellow (67%)
- Blue (86%)



- Cyan (38%)
- Magenta (10%)
- Yellow (0%)
- Black (14%)



- Cyan (47%)
- Magenta (23%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9058, 50.2812, 74.4617 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 42.9058, 50.2812, 74.4617 by changing the saturation by 10% instead.

■ 42.9058, 50.2812,
74.4617

■ 42.9058, 50.2812,
74.4617

349.1523,
387.7646, 495.2713

■ 30.0054, 35.6369,
54.6729

■ 78.8253, 90.5914,
127.2902

■ 19.9908, 24.1539,
38.7431

■ 102.5751,
117.0260, 161.1669

■ 12.4966, 15.4478,
26.2536

■ 130.6721,
148.1596, 200.5768

■ 7.1574, 9.1343,
16.7860

163.4816,
184.3764, 245.9383

■ 3.6079, 4.8289,
9.9217

201.3691,
226.0609, 297.6699

■ 1.4828, 2.1472,
5.2421

244.6998,

■ 0.3141, 0.6910,

273.5975, 356.1903

2.3288

293.8391,
327.3706, 421.9179

■ 0.0000, 0.0000,
0.7473

■ 0.0000, 0.0000,
0.0000

■ 42.9058, 50.2812,
74.4617

■ 42.9058, 50.2812,
74.4617

■ 38.4135, 46.0473,
73.8821

■ 48.1786, 54.9951,
75.0945

■ 34.6520, 42.2636,
73.3500

■ 54.2686, 60.2053,
75.7792

■ 31.5727, 38.9052,
72.8641

■ 61.2157, 65.9343,
76.5189

■ 29.1190, 35.9421,
72.4215

■ 69.0557, 72.2013,
77.3153

■ 27.2245, 33.3391,
72.0189

■ 77.8222, 79.0246,
78.1703

■ 25.7954, 31.0472,
71.6518

■ 82.8352, 83.9922,
78.8649

■ 25.5236, 30.5891,
71.5778

■ 84.4946, 87.3111,
79.4181

■ 86.2085, 90.7389,
79.9894

■ 87.9774, 94.2766,
80.5790

Harmonies

Analogous

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



40.6951, 50.2812, 63.2620



42.9058, 50.2812, 74.4617



46.5144, 50.2812, 80.6046

Triad

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



42.9058, 50.2812, 74.4617



56.1257, 50.2812, 58.5195



45.0154, 50.2812, 36.0003

Complementary

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



42.9058, 50.2812, 74.4617



45.8852, 41.2923, 28.8458

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.



49.0902, 50.2812, 35.1123



42.9058, 50.2812, 74.4617



55.6667, 50.2812, 47.0338

Square

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



42.9058, 50.2812, 74.4617



54.2531, 50.2812, 70.5606



53.0331, 50.2812, 38.8620



41.8631, 50.2812, 41.4935

Rectangle

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



42.9058, 50.2812, 74.4617



49.2955, 50.2812, 80.4731



53.0331, 50.2812, 38.8620



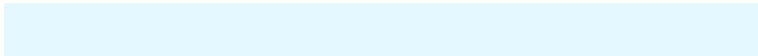
46.3170, 50.2812, 35.1879

Sweetspot

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



42.9074, 50.2832, 74.4629



83.1468, 90.4107, 107.6765



41.5506, 58.3242, 40.8557



17.5058, 19.1125, 23.0164



0.0000, 0.0000, 0.0000



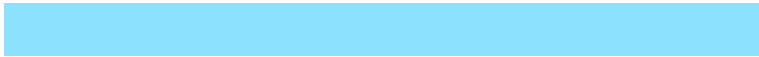
20.3446, 21.4041, 23.3091

Same Dimension

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



42.9074, 50.2832, 74.4629



55.7209, 66.4442, 104.4960



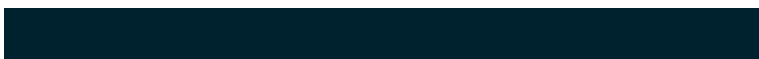
34.9556, 34.3796, 71.8123



13.1377, 14.2152, 16.7035



15.2281, 18.3257, 42.4730



1.0556, 1.3254, 2.7746

Inverse Universe

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



48.0969, 36.7011, 57.3744



64.1889, 45.5030, 76.3385



53.9097, 57.3414, 31.5207



13.4594, 13.2128, 15.6803



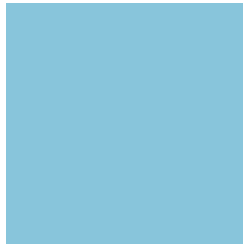
21.1818, 10.4738, 21.1351



1.4071, 0.6925, 1.5529

Previews

White Background



This preview shows how the XYZ color 42.9058, 50.2812, 74.4617 looks on a white background.

Color Contrast Check

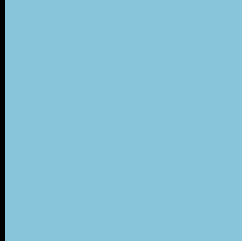
Large Text (above 18pt) WCAG AA × Fail

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 42.9058, 50.2812, 74.4617 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 42.9058, 50.2812, 74.4617

Background



This preview shows how black text looks on a background with the XYZ color 42.9058, 50.2812, 74.4617.

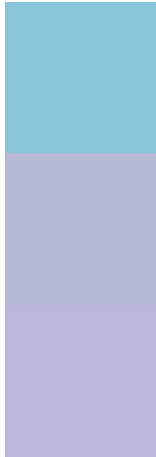


This preview shows how white text looks on a background with the XYZ color 42.9058, 50.2812,

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

42.9058, 50.2812, 74.4617

Protanopia

48.9710, 49.9386, 69.3454

Deuteranopia

51.1046, 49.9597, 76.0569



Tritanopia

42.3234, 50.3941, 71.1147

Trichromacy



Original Color

42.9058, 50.2812, 74.4617

Protanomaly

46.4051, 49.8402, 71.4643

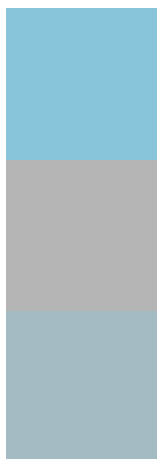
Deuteranomaly

47.6119, 49.7329, 75.4966

Tritanomaly

42.5804, 50.4969, 72.4684

Monochromacy



Original Color

42.9058, 50.2812, 74.4617

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.1377, 47.4801, 58.5207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9058, 50.2812, 74.4617 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(136, 197, 219)` looks like.

```
.text, #text, p{  
    color:rgb(136, 197, 219)  
}
```

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(136, 197, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 197, 219) }
```

Border

The CSS property to change the border of an element to XYZ 42.9058, 50.2812, 74.4617 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(136, 197, 219) }
```


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

```
.border{ border-color:rgb(136, 197, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 197, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 197, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 197, 219);  
box-shadow:4px 4px 4px 4px rgb(136, 197,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9058, 50.2812, 74.4617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 197, 219) }
```

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

```
.background{ background-color: rgb(136,  
197, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor