

Converting Colors

XYZ(48.1714, 54.3298, 75.7402)

Have a look what the booklet for
XYZ(48.1714, 54.3298, 75.7402)
contains.

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Color

**XYZ(48.1030, 54.3115,
75.6580)**

Conversions

Conversions Part 1

Format	Color
Hex	9FC9DC
RGB	159, 201, 220
RGB Percent	62%, 79%, 86%
CMY	0.3765, 0.2117, 0.1372
CMYK	0.28, 0.09, 0.00, 0.14
HSL	199°, 47%, 74%
HSV	199°, 28%, 86%
XYZ	48.1030, 54.3115, 75.6580
YIQ	190.6080, -31.1310, -2.9950

Conversions

Conversions Part 2

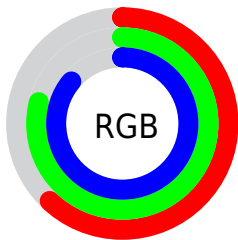
Format	Color
RYB	159, 184, 220
Decimal	10471900
CIELab	78.64, -9.49, -13.97
CIELCh	79, 16.885, 235.813
Yxy	54.3115, 0.2701, 0.3050
Android (android.graphics.Color)	4288661980 (0xFF9FC9DC)
YUV	190.6080, 14.4903, -27.7202
Hunter-Lab	73.6963, -12.4582, -9.2808

Details

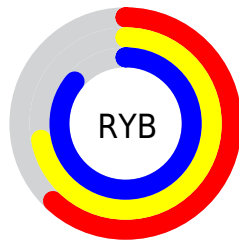
The XYZ color **48.1030, 54.3115, 75.6580** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.6944, 49.5602, 39.6437**, and the grayscale version is **49.2274, 51.7911, 56.4005**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **23.1691, 26.6482, 39.5198** is the 20% darker color. If you saturate the color by 10%, you get **42.5611, 49.1373, 74.9523**, and if you desaturate by 10%, it is **54.4959, 60.0329, 76.4263**.

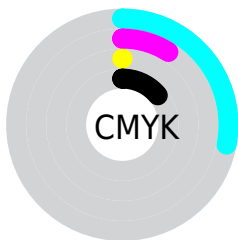
Distribution



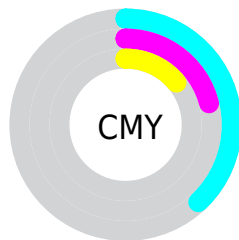
- Red (62%)
- Green (79%)
- Blue (86%)



- Red (62%)
- Yellow (72%)
- Blue (86%)



- Cyan (28%)
- Magenta (9%)
- Yellow (0%)
- Black (14%)



- Cyan (38%)
- Magenta (21%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1030, 54.3115, 75.6580 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 48.1030, 54.3115, 75.6580 by changing the saturation by 10% instead.

■ 48.1030, 54.3115,
75.6580

■ 48.1030, 54.3115,
75.6580

369.7760,
403.2967, 499.4918

■ 34.1201, 38.8508,
55.6471

■ 86.5665, 96.5315,
128.9990

■ 23.1492, 26.6436,
39.5180

■ 111.7778,
124.0595, 163.1662

■ 14.8250, 17.3058,
26.8520

141.4625,
156.3787, 202.8893

■ 8.7822, 10.4527,
17.2306

175.9861,
193.8735, 248.5868

■ 4.6553, 5.7002,
10.2354

215.7139,
236.9283, 300.6773

■ 2.0792, 2.6636,
5.4477

261.0113,

■ 0.6778, 0.9588,

285.9275, 359.5793

2.4489

312.2435,
341.2556, 425.7112

■ 0.0000, 0.0000,
0.8129

■ 0.0000, 0.0000,
0.0000

■ 48.1030, 54.3115,
75.6580

■ 48.1030, 54.3115,
75.6580

■ 42.5611, 49.1373,
74.9523

■ 54.4959, 60.0329,
76.4263

■ 37.8231, 44.4806,
74.3032

■ 61.7739, 66.3163,
77.2555

■ 33.8448, 40.3185,
73.7095

■ 69.9752, 73.1842,
78.1489

■ 30.5754, 36.6235,
73.1686

■ 79.1341, 80.6554,
79.1083

■ 27.9572, 33.3644,
72.6775

■ 83.9421, 85.9946,
79.8854

■ 25.9228, 30.5050,
72.2328

■ 85.9447, 89.9998,
80.5530

■ 24.3790, 27.9956,
71.8298

■ 88.0237, 94.1579,
81.2460

■ 24.0630, 27.4565,
71.7424

■ 89.9184, 97.9474,
81.8776

Harmonies

Analogous

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



46.0636, 54.3115, 67.4950



48.1030, 54.3115, 75.6580



51.1549, 54.3115, 79.3984

Triad

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



48.1030, 54.3115, 75.6580



58.2816, 54.3115, 60.4863



48.8804, 54.3115, 44.1022

Complementary

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



48.1030, 54.3115, 75.6580



51.6944, 49.5602, 39.6437

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.



52.0908, 54.3115, 42.6523



48.1030, 54.3115, 75.6580



57.6093, 54.3115, 51.4973

Square

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



48.1030, 54.3115, 75.6580



57.1073, 54.3115, 70.0619



55.3074, 54.3115, 45.2135



46.4987, 54.3115, 49.4095

Rectangle

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



48.1030, 54.3115, 75.6580



53.3879, 54.3115, 78.6150



55.3074, 54.3115, 45.2135



49.8944, 54.3115, 43.1738

Sweetspot

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



48.1046, 54.3137, 75.6592



85.9456, 92.3472, 107.9027



47.8582, 61.7447, 51.1488



18.0496, 19.4708, 23.0569



0.0000, 0.0000, 0.0000



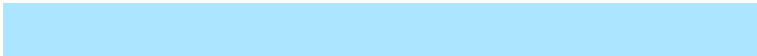
20.3446, 21.4041, 23.3091

Same Dimension

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



48.1046, 54.3137, 75.6592



62.7737, 71.7847, 105.1550



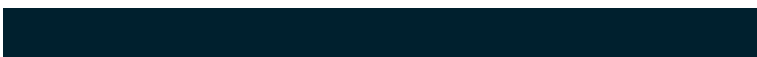
41.8183, 41.7411, 73.5638



13.0850, 14.1097, 16.6859



14.2256, 16.3207, 42.1388



0.9971, 1.2083, 2.7551

Inverse Universe

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



52.4573, 44.2304, 61.0332



69.8884, 55.9747, 81.0973



58.2814, 62.7342, 41.8394



13.4328, 13.2022, 15.5401



20.6758, 10.2713, 18.4705



1.3776, 0.6807, 1.3973

Previews

White Background



This preview shows how the XYZ color 48.1030, 54.3115, 75.6580 looks on a white background.

Color Contrast Check

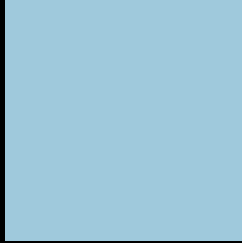
Large Text (above 18pt) WCAG AA × Fail

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 48.1030, 54.3115, 75.6580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

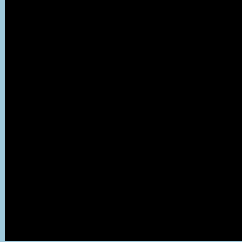
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1030, 54.3115, 75.6580

Background



This preview shows how black text looks on a background with the XYZ color 48.1030, 54.3115, 75.6580.



This preview shows how white text looks on a background with the XYZ color 48.1030, 54.3115,

75.6580.

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

48.1030, 54.3115, 75.6580

Protanopia

52.8216, 54.1226, 71.9527

Deuteranopia

55.2018, 53.9485, 76.6109



Tritanopia

47.6421, 54.1043, 74.2618

Trichromacy



Original Color

48.1030, 54.3115, 75.6580

Protanomaly

50.8547, 54.0733, 73.4025

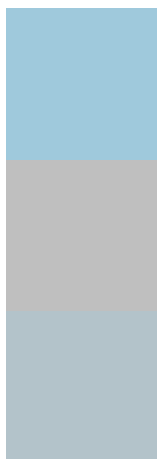
Deuteranomaly

52.1287, 53.6747, 76.0194

Tritanomaly

47.7734, 54.1569, 74.9532

Monochromacy



Original Color

48.1030, 54.3115, 75.6580

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.7662, 52.8782, 63.5134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1030, 54.3115, 75.6580 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(159, 201, 220)` looks like.

```
.text, #text, p{  
    color:rgb(159, 201, 220)  
}
```

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(159, 201, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 201, 220) }
```

Border

The CSS property to change the border of an element to XYZ 48.1030, 54.3115, 75.6580 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(159, 201, 220) }
```


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

```
.border{ border-color:rgb(159, 201, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 201, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 201, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 201, 220);  
box-shadow:4px 4px 4px 4px rgb(159, 201,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1030, 54.3115, 75.6580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 201, 220) }
```

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

```
.background{ background-color: rgb(159,  
201, 220) }
```

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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