

Converting Colors

XYZ(48.6504, 53.9858, 82.1326)

Have a look what the booklet for
XYZ(48.6504, 53.9858, 82.1326)
contains.

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Color

**XYZ(48.7018, 54.1338,
82.0108)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC8E5
RGB	157, 200, 229
RGB Percent	62%, 78%, 90%
CMY	0.3843, 0.2157, 0.1020
CMYK	0.31, 0.13, 0.00, 0.10
HSL	204°, 58%, 76%
HSV	204°, 31%, 90%
XYZ	48.7018, 54.1338, 82.0108
YIQ	190.4490, -34.9370, -0.0970

Conversions

Conversions Part 2

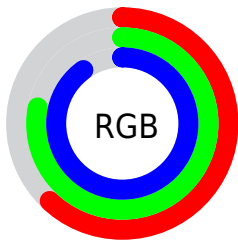
Format	Color
RYB	157, 184, 229
Decimal	10340581
CIELab	78.54, -7.40, -18.97
CIELCh	79, 20.361, 248.703
Yxy	54.1338, 0.2635, 0.2929
Android (android.graphics.Color)	4288530661 (0xFF9DC8E5)
YUV	190.4490, 19.0056, -29.3348
Hunter-Lab	73.5757, -10.6033, -14.5844

Details

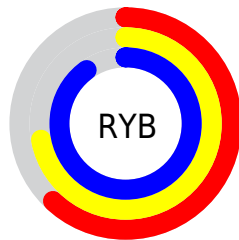
The XYZ color **48.7018, 54.1338, 82.0108** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.9587, 54.2109, 39.4142**, and the grayscale version is **49.1120, 51.6696, 56.2682**.

A 20% lighter version of the original color is **81.2506, 92.8861, 108.2542**, and **23.4152, 26.4585, 43.4080** is the 20% darker color. If you saturate the color by 10%, you get **42.5740, 47.9000, 81.1315**, and if you desaturate by 10%, it is **55.7992, 61.0613, 82.9748**.

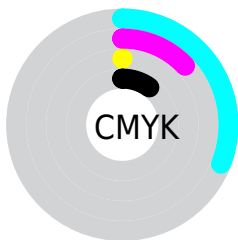
Distribution



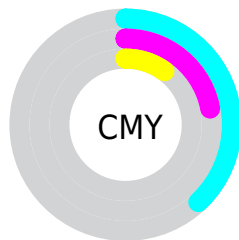
- Red (62%)
- Green (78%)
- Blue (90%)



- Red (62%)
- Yellow (72%)
- Blue (90%)



- Cyan (31%)
- Magenta (13%)
- Yellow (0%)
- Black (10%)



- Cyan (38%)
- Magenta (22%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7018, 54.1338, 82.0108 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 48.7018, 54.1338, 82.0108 by changing the saturation by 10% instead.

■ 48.7018, 54.1338,
82.0108

■ 48.7018, 54.1338,
82.0108

372.1036,
402.6200, 521.5682

■ 34.5965, 38.7086,
60.8386

■ 87.4518, 96.2707,
138.0260

■ 23.5173, 26.5331,
43.6652

■ 112.8272,
123.7512, 173.7060

■ 15.0987, 17.2229,
30.0721

142.6901,
156.0189, 215.0590

■ 8.9755, 10.3936,
19.6408

177.4058,
193.4583, 262.5036

■ 4.7822, 5.6607,
11.9527

217.3397,
236.4537, 316.4583

■ 2.1535, 2.6399,
6.5894

262.8570,

■ 0.7180, 0.9467,

285.3895, 377.3416

3.1321

314.3232,
340.6502, 445.5720

■ 0.0000, 0.0000,
1.1625

■ 0.0000, 0.0000,
0.0000

■ 48.7018, 54.1338,
82.0108

■ 48.7018, 54.1338,
82.0108

■ 42.5740, 47.9000,
81.1315

■ 55.7992, 61.0613,
82.9748

■ 37.3616, 42.3248,
80.3301

■ 63.9065, 68.7027,
84.0224

■ 33.0125, 37.3792,
79.6047

■ 73.0679, 77.0853,
85.1576

■ 29.4667, 33.0287,
78.9518

■ 83.3231, 86.2327,
86.3827

■ 26.6557, 29.2343,
78.3676

■ 88.3752, 92.9015,
87.4036

■ 24.4977, 25.9503,
77.8475

■ 91.1430, 98.4372,
88.3262

■ 23.0560, 23.4831,
77.4472

Harmonies

Analogous

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



45.6652, 54.1338, 73.8610



48.7018, 54.1338, 82.0108



52.6284, 54.1338, 83.5838

Triad

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



48.7018, 54.1338, 82.0108



59.4592, 54.1338, 55.6630



46.7790, 54.1338, 43.3304

Complementary

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



48.7018, 54.1338, 82.0108



55.9587, 54.2109, 39.4142

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.



50.2943, 54.1338, 39.6933



48.7018, 54.1338, 82.0108



57.7093, 54.1338, 46.1816

Square

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



48.7018, 54.1338, 82.0108



58.9783, 54.1338, 67.3347



54.3050, 54.1338, 40.6647



44.5959, 54.1338, 51.2783

Rectangle

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



48.7018, 54.1338, 82.0108



55.2463, 54.1338, 80.5172



54.3050, 54.1338, 40.6647



47.8366, 54.1338, 41.6134

Sweetspot

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



48.7035, 54.1359, 82.0121



84.2268, 90.1478, 107.5688



50.7669, 66.7446, 56.5517



17.6761, 18.9703, 22.9799



0.0000, 0.0000, 0.0000



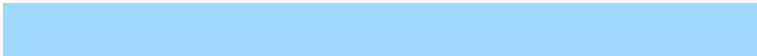
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7035, 54.1359, 82.0121



56.7192, 63.5971, 103.8938



41.3602, 39.4494, 79.5643



14.2950, 15.3115, 18.3463



13.3031, 13.6683, 44.3203



1.0735, 1.1910, 3.3053

Inverse Universe

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



54.7968, 44.9436, 60.4327



65.8751, 50.7043, 71.2623



64.4682, 71.2299, 42.2507



14.7365, 14.5118, 16.8129



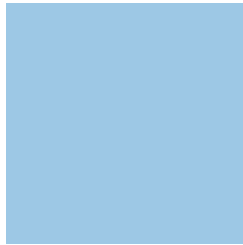
21.1083, 10.5775, 14.7312



1.6055, 0.7999, 1.3291

Previews

White Background



This preview shows how the XYZ color 48.7018, 54.1338, 82.0108 looks on a white background.

Color Contrast Check

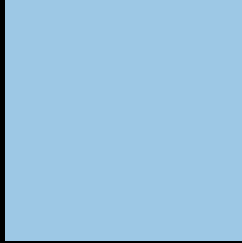
Large Text (above 18pt) WCAG AA × Fail

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 48.7018, 54.1338, 82.0108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

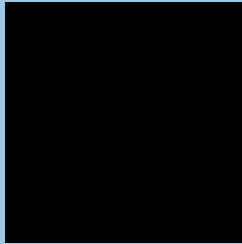
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7018, 54.1338, 82.0108

Background



This preview shows how black text looks on a background with the XYZ color 48.7018, 54.1338, 82.0108.



This preview shows how white text looks on a background with the XYZ color 48.7018, 54.1338,

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

48.7018, 54.1338, 82.0108

Protanopia

53.0432, 53.7725, 78.1045

Deuteranopia

54.8695, 53.6340, 83.0618



Tritanopia

47.1018, 54.1730, 74.3036

Trichromacy



Original Color

48.7018, 54.1338, 82.0108

Protanomaly

51.3740, 53.8683, 79.6414

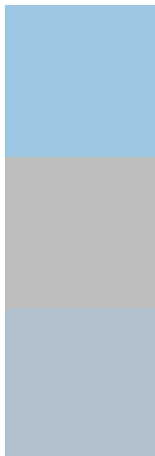
Deuteranomaly

52.4089, 53.6769, 82.4613

Tritanomaly

47.5890, 54.0158, 77.0251

Monochromacy



Original Color

48.7018, 54.1338, 82.0108

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.5510, 52.4082, 64.6836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7018, 54.1338, 82.0108 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(157, 200, 229)` looks like.

```
.text, #text, p{  
    color:rgb(157, 200, 229)  
}
```

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(157, 200, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 200, 229) }
```

Border

The CSS property to change the border of an element to XYZ 48.7018, 54.1338, 82.0108 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(157, 200, 229) }
```


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

```
.border{ border-color:rgb(157, 200, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 200, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 200, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 200, 229);  
box-shadow:4px 4px 4px 4px rgb(157, 200,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7018, 54.1338, 82.0108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 200, 229) }
```

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

```
.background{ background-color: rgb(157,  
200, 229) }
```

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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