

Converting Colors

XYZ(49.2229, 48.2781, 79.0765)

Have a look what the booklet for
XYZ(49.2229, 48.2781, 79.0765)
contains.

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Color

**XYZ(49.2114, 48.2971,
79.4016)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B4B5E3 |
| RGB | 180, 181, 227 |
| RGB Percent | 71%, 71%, 89% |
| CMY | 0.2941, 0.2902, 0.1098 |
| CMYK | 0.21, 0.20, 0.00, 0.11 |
| HSL | 239°, 46%, 80% |
| HSV | 239°, 21%, 89% |
| XYZ | 49.2114, 48.2971, 79.4016 |
| YIQ | 185.9450, -15.3620, 14.0940 |

Conversions

Conversions Part 2

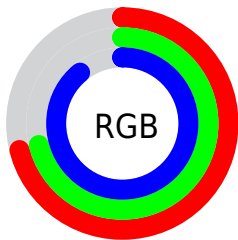
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 180, 181, 227 |
| Decimal | 11843043 |
| CIE _{Lab} | 75.01, 9.20, -23.10 |
| CIE _{LCh} | 75, 24.867, 291.716 |
| Y _{xy} | 48.2971, 0.2782, 0.2730 |
| Android (android.graphics.Color) | 4290033123 (0xFFB4B5E3) |
| YUV | 185.9450, 20.2401, -5.2138 |
| Hunter-Lab | 69.4961, 4.7807, -19.0935 |

Details

The XYZ color **49.2114, 48.2971, 79.4016** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **67.1136, 74.0190, 53.9312**, and the grayscale version is **46.5390, 48.9627, 53.3204**.

A 20% lighter version of the original color is **82.9263, 85.6212, 106.7636**, and **23.9180, 22.9289, 42.1948** is the 20% darker color. If you saturate the color by 10%, you get **40.1906, 37.4679, 77.7876**, and if you desaturate by 10%, it is **59.8210, 61.0169, 81.2984**.

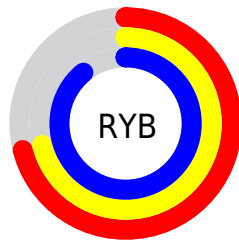
Distribution



Red (71%)

Green (71%)

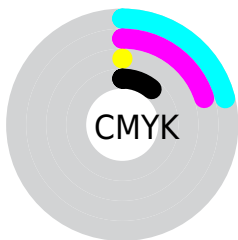
Blue (89%)



Red (71%)

Yellow (71%)

Blue (89%)

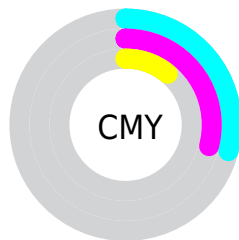


Cyan (21%)

Magenta (20%)

Yellow (0%)

Black (11%)



Cyan (29%)

Magenta (29%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2114, 48.2971, 79.4016 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 49.2114, 48.2971, 79.4016 by changing the saturation by 10% instead.

■ 49.2114, 48.2971,
79.4016

■ 49.2114, 48.2971,
79.4016

374.0771,
379.9686, 512.5674

■ 35.0024, 34.0622,
58.7028

■ 88.2042, 87.6466,
134.3279

■ 23.8313, 22.9414,
41.9555

113.7187,
113.5300, 169.3924

■ 15.3326, 14.5502,
28.7411

143.7325,
144.0650, 210.0826

■ 9.1410, 8.5044,
18.6412

178.6108,
179.6361, 256.8170

■ 4.8911, 4.4193,
11.2371

218.7191,
220.6276, 310.0141

■ 2.2176, 1.9108,
6.1104

264.4227,

■ 0.7520, 0.5549,

267.4239, 370.0926

2.8424

316.0869,
320.4094, 437.4708

■ 0.0000, 0.0000,
1.0148

■ 0.0000, 0.0000,
0.0000

■ 49.2114, 48.2971,
79.4016

■ 49.2114, 48.2971,
79.4016

■ 40.1906, 37.4679,
77.7876

■ 59.8210, 61.0169,
81.2984

■ 32.6779, 28.4337,
76.4398

■ 72.0858, 75.7054,
83.4871

■ 26.5923, 21.0992,
75.3448

■ 86.0740, 92.4431,
85.9806

■ 21.8437, 15.3582,
74.4870

■ 90.8653, 98.3261,
86.8636

■ 18.3313, 11.0924,
73.8487

■ 15.9404, 8.1671,
73.4101

■ 14.5349, 6.4230,
73.1475

■ 13.9178, 5.6511,
73.0311

Harmonies

Analogous

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



44.6587, 48.2971, 81.4104



49.2114, 48.2971, 79.4016



53.1040, 48.2971, 69.6476

Triad

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



49.2114, 48.2971, 79.4016



51.5287, 48.2971, 35.3025



37.7969, 48.2971, 49.0669

Complementary

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



49.2114, 48.2971, 79.4016



67.1136, 74.0190, 53.9312

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.



39.3878, 48.2971, 38.5687



49.2114, 48.2971, 79.4016



47.1742, 48.2971, 31.5239

Square

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



49.2114, 48.2971, 79.4016



54.5021, 48.2971, 43.8684



42.7500, 48.2971, 32.6123



38.2630, 48.2971, 62.3911

Rectangle

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



49.2114, 48.2971, 79.4016



54.7029, 48.2971, 60.8272



42.7500, 48.2971, 32.6123



38.1049, 48.2971, 45.1274

Sweetspot

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



49.2129, 48.2991, 79.4027



85.0512, 88.0283, 107.1162



59.9423, 70.1024, 81.9171



17.9819, 18.5751, 22.8876



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.



49.2129, 48.2991, 79.4027



58.5823, 56.2958, 102.3863



54.5266, 50.7372, 79.5932



13.6073, 13.9361, 18.1171



8.1275, 3.3170, 42.5951



0.6093, 0.2626, 3.1505

Inverse Universe

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



56.3416, 52.3110, 50.8457



69.5074, 62.4635, 58.6165



60.9036, 71.2230, 53.7188



14.3894, 14.3729, 14.9850



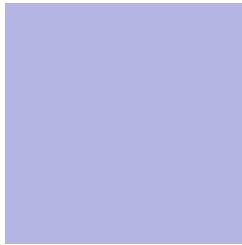
18.4959, 9.5326, 0.9743



1.3712, 0.7062, 0.0952

Previews

White Background



This preview shows how the XYZ color 49.2114, 48.2971, 79.4016 looks on a white background.

Color Contrast Check

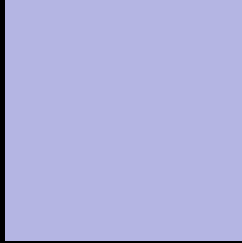
Large Text (above 18pt) WCAG AA × Fail

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 49.2114, 48.2971, 79.4016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

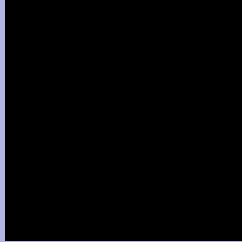
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2114, 48.2971, 79.4016

Background



This preview shows how black text looks on a background with the XYZ color 49.2114, 48.2971, 79.4016.



This preview shows how white text looks on a background with the XYZ color 49.2114, 48.2971,

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

49.2114, 48.2971, 79.4016

Protanopia

48.3926, 48.4671, 80.2033

Deuteranopia

49.4451, 48.4176, 79.4125



Tritanopia

45.6634, 48.4019, 61.5794

Trichromacy



Original Color

49.2114, 48.2971, 79.4016

Protanomaly

48.6360, 48.2874, 80.1558

Deuteranomaly

49.4451, 48.4176, 79.4125

Tritanomaly

46.9048, 48.2812, 67.8198

Monochromacy



Original Color

49.2114, 48.2971, 79.4016

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.4503, 48.6884, 62.1552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2114, 48.2971, 79.4016 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(180, 181, 227)` looks like.

```
.text, #text, p{  
    color:rgb(180, 181, 227)  
}
```

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(180, 181, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 181, 227) }
```

Border

The CSS property to change the border of an element to XYZ 49.2114, 48.2971, 79.4016 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(180, 181, 227) }
```


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

```
.border{ border-color:rgb(180, 181, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 181, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 181, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 181, 227);  
box-shadow:4px 4px 4px 4px rgb(180, 181,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2114, 48.2971, 79.4016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 181, 227) }
```

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

```
.background{ background-color: rgb(180,  
181, 227) }
```

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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