

Converting Colors

XYZ(49.1041, 51.1715, 74.3069)

Have a look what the booklet for
XYZ(49.1041, 51.1715, 74.3069)
contains.

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Color

**XYZ(49.1041, 51.1715,
74.3069)**

Conversions

Conversions Part 1

Format	Color
Hex	B0BEDB
RGB	176, 190, 219
RGB Percent	69%, 75%, 86%
CMY	0.3098, 0.2549, 0.1412
CMYK	0.20, 0.13, 0.00, 0.14
HSL	220°, 37%, 77%
HSV	220°, 20%, 86%
XYZ	49.1041, 51.1715, 74.3069
YIQ	189.1200, -17.6530, 6.0510

Conversions

Conversions Part 2

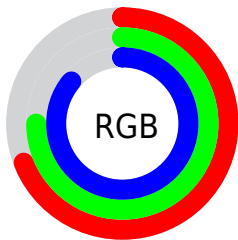
Format	Color
R _Y B	176, 187, 219
Decimal	11583195
CIE Lab	76.78, 1.28, -16.11
CIE LCh	77, 16.164, 274.529
Yxy	51.1715, 0.2813, 0.2931
Android (android.graphics.Color)	4289773275 (0xFFB0BEDB)
YUV	189.1200, 14.7308, -11.5062
Hunter-Lab	71.5343, -2.6551, -11.5141

Details

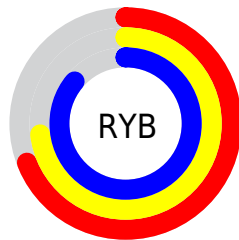
The XYZ color **49.1041, 51.1715, 74.3069** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **58.8816, 61.8572, 49.9116**, and the grayscale version is **48.3653, 50.8840, 55.4127**.

A 20% lighter version of the original color is **84.2845, 90.2873, 107.5927**, and **23.8149, 24.7826, 38.6503** is the 20% darker color. If you saturate the color by 10%, you get **41.5080, 42.7463, 73.0819**, and if you desaturate by 10%, it is **57.8263, 60.6610, 75.6797**.

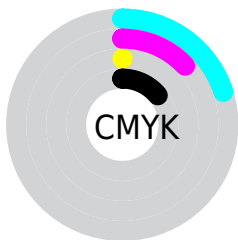
Distribution



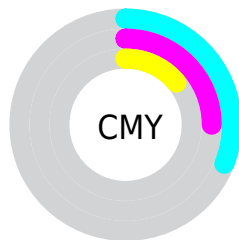
- Red (69%)
- Green (75%)
- Blue (86%)



- Red (69%)
- Yellow (73%)
- Blue (86%)



- Cyan (20%)
- Magenta (13%)
- Yellow (0%)
- Black (14%)



- Cyan (31%)
- Magenta (25%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1041, 51.1715, 74.3069 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 49.1041, 51.1715, 74.3069 by changing the saturation by 10% instead.

■ 49.1041, 51.1715,
74.3069

■ 49.1041, 51.1715,
74.3069

373.6622,
391.2297, 494.7236

■ 34.9169, 36.3451,
54.5470

■ 88.0458, 91.9082,
127.0688

■ 23.7651, 24.7009,
38.6430

113.5311,
118.5874, 160.9079

■ 15.2833, 15.8543,
26.1764

143.5132,
149.9862, 200.2771

■ 9.1060, 9.4211,
16.7287

178.3573,
186.4891, 245.5949

■ 4.8681, 5.0169,
9.8813

218.4289,
228.4806, 297.2799

■ 2.2040, 2.2572,
5.2158

264.0934,

■ 0.7449, 0.7509,

276.3449, 355.7507

2.3135

315.7160,
330.4665, 421.4257

■ 0.0000, 0.0000,
0.7388

■ 0.0000, 0.0000,
0.0000

■ 49.1041, 51.1715,
74.3069

■ 49.1041, 51.1715,
74.3069

■ 41.5080, 42.7463,
73.0819

■ 57.8263, 60.6610,
75.6797

■ 34.9855, 35.3401,
71.9961

■ 67.7148, 71.2454,
77.2015

■ 29.4868, 28.9137,
71.0455

■ 78.8134, 82.9616,
78.8780

■ 24.9558, 23.4226,
70.2244

■ 87.9264, 94.1746,
80.5620

■ 21.3310, 18.8182,
69.5267

■ 89.7864, 97.8945,
81.1820

■ 18.5429, 15.0471,
68.9458

■ 16.5107, 12.0488,
68.4741

■ 15.1044, 9.7357,
68.1018

■ 15.0597, 9.6611,
68.0898

Harmonies

Analogous

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



46.1446, 51.1715, 72.3983



49.1041, 51.1715, 74.3069



52.0569, 51.1715, 70.8219

Triad

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



49.1041, 51.1715, 74.3069



53.6591, 51.1715, 46.6815



43.5047, 51.1715, 48.7646

Complementary

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



49.1041, 51.1715, 74.3069



58.8816, 61.8572, 49.9116

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.



45.3702, 51.1715, 42.9288



49.1041, 51.1715, 74.3069



51.2175, 51.1715, 41.8177

Square

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



49.1041, 51.1715, 74.3069



54.7560, 51.1715, 54.3941



48.1728, 51.1715, 40.5192



42.9917, 51.1715, 57.0613

Rectangle

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



49.1041, 51.1715, 74.3069



53.5997, 51.1715, 66.1040



48.1728, 51.1715, 40.5192



43.9905, 51.1715, 46.4795

Sweetspot

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



49.1057, 51.1736, 74.3081



86.4398, 90.8055, 107.5791



54.2162, 64.2858, 67.0987



18.3090, 19.2293, 22.9966



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.



49.1057, 51.1736, 74.3081



64.2248, 66.6189, 104.0815



47.8807, 46.2540, 73.4230



12.6832, 13.3062, 16.5520



9.0184, 5.9063, 40.4031



0.6612, 0.5366, 2.6432

Inverse Universe

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



54.0343, 49.8296, 55.4877



72.5903, 64.5958, 72.0793



60.2723, 67.7709, 50.9798



13.2300, 13.1211, 14.4723



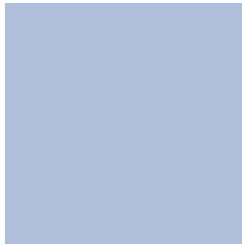
18.0474, 9.2200, 4.6297



1.2081, 0.6129, 0.5046

Previews

White Background



This preview shows how the XYZ color 49.1041, 51.1715, 74.3069 looks on a white background.

Color Contrast Check

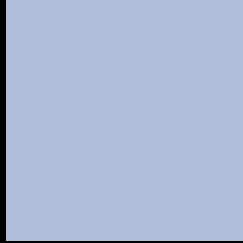
Large Text (above 18pt) WCAG AA × Fail

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 49.1041, 51.1715, 74.3069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

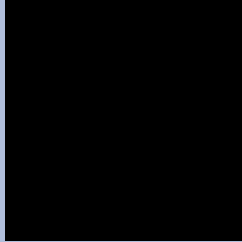
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1041, 51.1715, 74.3069

Background



This preview shows how black text looks on a background with the XYZ color 49.1041, 51.1715, 74.3069.



This preview shows how white text looks on a background with the XYZ color 49.1041, 51.1715,

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

49.1041, 51.1715, 74.3069

Protanopia

50.4053, 51.2187, 73.5592

Deuteranopia

52.2595, 51.2027, 74.8389



Tritanopia

47.5677, 51.2029, 66.4076

Trichromacy



Original Color

49.1041, 51.1715, 74.3069

Protanomaly

49.9085, 51.2809, 73.5974

Deuteranomaly

51.1821, 51.2728, 74.9092

Tritanomaly

48.0679, 51.0787, 68.9537

Monochromacy



Original Color

49.1041, 51.1715, 74.3069

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.3901, 50.7557, 61.8900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1041, 51.1715, 74.3069 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(176, 190, 219)` looks like.

```
.text, #text, p{  
    color:rgb(176, 190, 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(176, 190, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 190, 219) }
```

Border

The CSS property to change the border of an element to XYZ 49.1041, 51.1715, 74.3069 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(176, 190, 219) }
```


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

```
.border{ border-color:rgb(176, 190, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 190, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 190, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 190, 219); box-shadow:4px 4px 4px 4px rgb(176, 190, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1041, 51.1715, 74.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 190, 219) }
```

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

```
.background{ background-color: rgb(176,  
190, 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](#).

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