

Converting Colors

XYZ(47.4159, 48.1035, 71.6435)

Have a look what the booklet for
XYZ(47.4159, 48.1035, 71.6435)
contains.

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Color

**XYZ(47.4596, 48.1720,
71.7625)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B7D8
RGB	177, 183, 216
RGB Percent	69%, 72%, 85%
CMY	0.3059, 0.2823, 0.1529
CMYK	0.18, 0.15, 0.00, 0.15
HSL	231°, 33%, 77%
HSV	231°, 18%, 85%
XYZ	47.4596, 48.1720, 71.7625
YIQ	184.9680, -14.1690, 8.9910

Conversions

Conversions Part 2

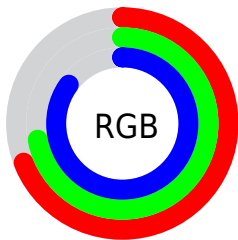
Format	Color
R _Y B	177, 182, 216
Decimal	11646936
CIE Lab	74.93, 4.72, -17.27
CIE LCh	75, 17.902, 285.282
Yxy	48.1720, 0.2835, 0.2878
Android (android.graphics.Color)	4289837016 (0xFFB1B7D8)
YUV	184.9680, 15.2988, -6.9879
Hunter-Lab	69.4061, 0.5970, -12.7188

Details

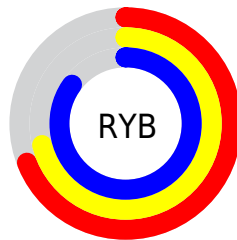
The XYZ color **47.4596, 48.1720, 71.7625** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **59.3016, 63.8662, 50.7979**, and the grayscale version is **46.0208, 48.4175, 52.7266**.

A 20% lighter version of the original color is **82.5208, 86.2766, 106.9115**, and **22.7278, 22.8236, 36.9257** is the 20% darker color. If you saturate the color by 10%, you get **39.3959, 38.7787, 70.3752**, and if you desaturate by 10%, it is **56.7945, 58.9496, 73.3516**.

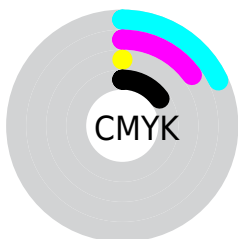
Distribution



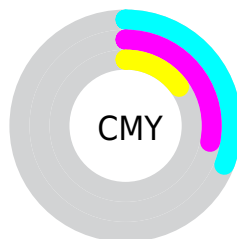
- Red (69%)
- Green (72%)
- Blue (85%)



- Red (69%)
- Yellow (71%)
- Blue (85%)



- Cyan (18%)
- Magenta (15%)
- Yellow (0%)
- Black (15%)



- Cyan (31%)
- Magenta (28%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4596, 48.1720, 71.7625 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 47.4596, 48.1720, 71.7625 by changing the saturation by 10% instead.

■ 47.4596, 48.1720,
71.7625

■ 47.4596, 48.1720,
71.7625

367.2644,
379.4735, 485.6698

■ 33.6086, 33.9631,
52.4790

■ 85.6138, 87.4604,
123.4234

■ 22.7545, 22.8653,
37.0022

110.6478,
113.3088, 156.6379

■ 14.5321, 14.4941,
24.9134

140.1401,
143.8057, 195.3332

■ 8.5758, 8.4651,
15.7941

174.4561,
179.3357, 239.9277

■ 4.5204, 4.3940,
9.2258

213.9612,
220.2831, 290.8401

■ 2.0006, 1.8963,
4.7899

259.0207,

■ 0.6343, 0.5461,

267.0322, 348.4889

2.0680

310.0000,
319.9676, 413.2926

■ 0.0000, 0.0000,
0.5966

■ 0.0000, 0.0000,
0.0000

■ 47.4596, 48.1720,
71.7625

■ 47.4596, 48.1720,
71.7625

■ 39.3959, 38.7787,
70.3752

■ 56.7945, 58.9496,
73.3516

■ 32.5436, 30.7076,
69.1785

■ 67.4480, 71.1586,
75.1466

■ 26.8449, 23.9005,
68.1649

■ 79.4704, 84.8511,
77.1559

■ 22.2353, 18.2925,
67.3254

■ 89.3948, 97.7379,
79.1202

■ 18.6440, 13.8128,
66.6500

■ 15.9913, 10.3830,
66.1278

■ 14.1855, 7.9144,
65.7465

■ 13.1027, 6.2957,
65.4911

■ 12.9455, 6.0592,
65.4538

Harmonies

Analogous

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



44.2106, 48.1720, 71.8189



47.4596, 48.1720, 71.7625



50.3903, 48.1720, 66.1363

Triad

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



47.4596, 48.1720, 71.7625



50.3437, 48.1720, 40.6917



39.9823, 48.1720, 48.0174

Complementary

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



47.4596, 48.1720, 71.7625



59.3016, 63.8662, 50.7979

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.



41.4712, 48.1720, 40.7974



47.4596, 48.1720, 71.7625



47.3985, 48.1720, 36.9217

Square

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



47.4596, 48.1720, 71.7625



52.1085, 48.1720, 47.8565



44.1523, 48.1720, 36.9580



39.9969, 48.1720, 57.3308

Rectangle

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



47.4596, 48.1720, 71.7625



51.7247, 48.1720, 60.3287



44.1523, 48.1720, 36.9580



40.3203, 48.1720, 45.2910

Sweetspot

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



47.4611, 48.1740, 71.7636



87.1684, 90.9707, 107.5726



54.2589, 63.0880, 69.9650



18.4291, 19.2091, 22.9864



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.



47.4611, 48.1740, 71.7636



64.0191, 64.2334, 103.6319



49.3530, 47.3504, 71.5049



11.8954, 12.3142, 15.6874



7.7124, 3.6865, 38.7582



0.5149, 0.3218, 2.3543

Inverse Universe

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



52.5895, 49.4632, 51.5776



72.9683, 66.5920, 68.3822



57.1212, 64.9835, 51.1284



12.5004, 12.4517, 13.3093



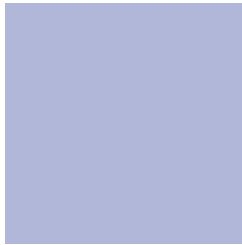
16.9517, 8.7170, 1.7838



1.0476, 0.5358, 0.2398

Previews

White Background



This preview shows how the XYZ color 47.4596, 48.1720, 71.7625 looks on a white background.

Color Contrast Check

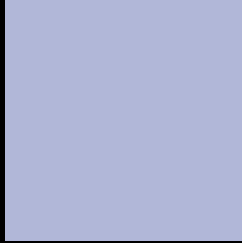
Large Text (above 18pt) WCAG AA × Fail

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 47.4596, 48.1720, 71.7625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

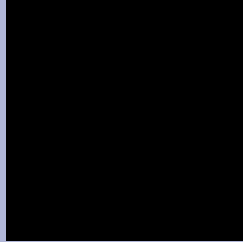
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.4596, 48.1720, 71.7625

Background



This preview shows how black text looks on a background with the XYZ color 47.4596, 48.1720, 71.7625.



This preview shows how white text looks on a background with the XYZ color 47.4596, 48.1720,

71.7625.

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

47.4596, 48.1720, 71.7625

Protanopia

47.6883, 48.2898, 71.7732

Deuteranopia

49.3392, 48.2171, 72.3520



Tritanopia

45.4398, 48.2866, 61.5689

Trichromacy



Original Color

47.4596, 48.1720, 71.7625

Protanomaly

47.6883, 48.2898, 71.7732

Deuteranomaly

48.5767, 48.1248, 72.3744

Tritanomaly

46.1687, 48.2681, 65.2758

Monochromacy



Original Color

47.4596, 48.1720, 71.7625

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.3957, 48.2116, 59.0850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4596, 48.1720, 71.7625 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(177, 183, 216)` looks like.

```
.text, #text, p{  
    color:rgb(177, 183, 216)  
}
```

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(177, 183, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 183, 216) }
```

Border

The CSS property to change the border of an element to XYZ 47.4596, 48.1720, 71.7625 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(177, 183, 216) }
```


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

```
.border{ border-color:rgb(177, 183, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 183, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 183, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 183, 216);  
box-shadow:4px 4px 4px 4px rgb(177, 183,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4596, 48.1720, 71.7625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 183, 216) }
```

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

```
.background{ background-color: rgb(177,  
183, 216) }
```

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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