

Converting Colors

XYZ(46.7379, 45.3319, 71.7872)

Have a look what the booklet for
XYZ(46.7379, 45.3319, 71.7872)
contains.

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Color

**XYZ(46.9104, 45.4935,
71.9543)**

Conversions

Conversions Part 1

Format	Color
Hex	B5AFD9
RGB	181, 175, 217
RGB Percent	71%, 69%, 85%
CMY	0.2902, 0.3137, 0.1490
CMYK	0.17, 0.19, 0.00, 0.15
HSL	249°, 36%, 77%
HSV	249°, 19%, 85%
XYZ	46.9104, 45.4935, 71.9543
YIQ	181.5820, -9.9060, 14.3340

Conversions

Conversions Part 2

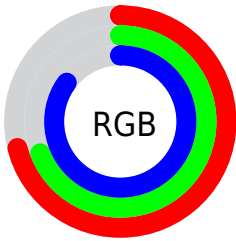
Format	Color
<code>RYB</code>	<code>181, 175, 217</code>
Decimal	<code>11907033</code>
CIELab	<code>73.22, 10.59, -20.39</code>
CIELCh	<code>73, 22.970, 297.442</code>
Yxy	<code>45.4935, 0.2854, 0.2768</code>
Android (<code>android.graphics.Color</code>)	<code>4290097113 (0xFFB5AFD9)</code>
YUV	<code>181.5820, 17.4611, -0.5104</code>
Hunter-Lab	<code>67.4489, 6.1105, -16.0362</code>

Details

The XYZ color **46.9104, 45.4935, 71.9543** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **59.4163, 66.5709, 50.2775**, and the grayscale version is **44.1495, 46.4487, 50.5826**.

A 20% lighter version of the original color is **81.5510, 82.3764, 106.2098**, and **22.5066, 21.3637, 37.1198** is the 20% darker color. If you saturate the color by 10%, you get **38.9475, 35.6154, 70.4681**, and if you desaturate by 10%, it is **56.1372, 57.0329, 73.6961**.

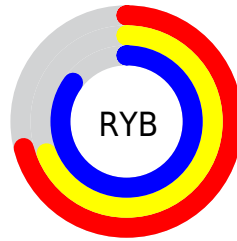
Distribution



Red (71%)

Green (69%)

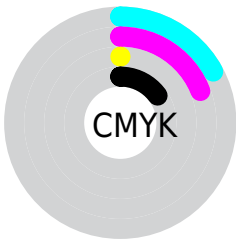
Blue (85%)



Red (71%)

Yellow (69%)

Blue (85%)

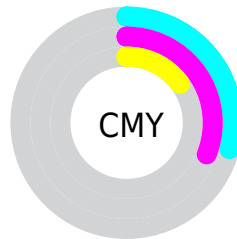


Cyan (17%)

Magenta (19%)

Yellow (0%)

Black (15%)



Cyan (29%)

Magenta (31%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9104, 45.4935, 71.9543 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 46.9104, 45.4935, 71.9543 by changing the saturation by 10% instead.

■ 46.9104, 45.4935,
71.9543

■ 46.9104, 45.4935,
71.9543

365.1117,
368.7686, 486.3558

■ 33.1725, 31.8463,
52.6347

■ 84.7994, 83.4605,
123.6987

■ 22.4185, 21.2441,
37.1255

109.6812,
108.5490, 156.9606

■ 14.2830, 13.3026,
25.0082

139.0084,
138.2202, 195.7070

■ 8.4008, 7.6372,
15.8641

173.1462,
172.8583, 240.3564

■ 4.4064, 3.8637,
9.2747

212.4601,
212.8479, 291.3275

■ 1.9345, 1.5976,
4.8215

257.3154,

■ 0.5968, 0.3560,

258.5731, 349.0387

2.0860

308.0775,
310.4186, 413.9087

■ 0.0000, 0.0000,
0.6074

■ 0.0000, 0.0000,
0.0000

■ 46.9104, 45.4935,
71.9543

■ 46.9104, 45.4935,
71.9543

■ 38.9475, 35.6154,
70.4681

■ 56.1372, 57.0329,
73.6961

■ 32.1889, 27.3164,
69.2224

■ 66.6754, 70.2995,
75.7013

■ 26.5766, 20.5159,
68.2056

■ 78.5753, 85.3625,
77.9816

■ 22.0462, 15.1237,
67.4036

■ 89.5245, 97.7898,
79.8032

■ 18.5265, 11.0399,
66.8008

■ 15.9379, 8.1514,
66.3797

■ 14.1879, 6.3252,
66.1195

■ 13.1415, 5.3505,
65.9865

■ 13.0893, 5.3010,
65.9797

Harmonies

Analogous

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



42.8954, 45.4935, 75.1757



46.9104, 45.4935, 71.9543



50.1054, 45.4935, 62.4623

Triad

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



46.9104, 45.4935, 71.9543



47.5456, 45.4935, 33.0861



35.9521, 45.4935, 48.5510

Complementary

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



46.9104, 45.4935, 71.9543



59.4163, 66.5709, 50.2775

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.



37.0326, 45.4935, 38.5265



46.9104, 45.4935, 71.9543



43.5869, 45.4935, 30.5083

Square

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



46.9104, 45.4935, 71.9543



50.4879, 45.4935, 39.9953



39.7666, 45.4935, 32.3352



36.7216, 45.4935, 60.4817

Rectangle

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



46.9104, 45.4935, 71.9543



51.2530, 45.4935, 54.5179



39.7666, 45.4935, 32.3352



36.1094, 45.4935, 44.8648

Sweetspot

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



46.9118, 45.4954, 71.9553



85.7004, 88.2206, 107.1191



53.5988, 60.9125, 74.5787



18.1347, 18.6204, 22.8882



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.



46.9118, 45.4954, 71.9553



62.9703, 59.7982, 102.8310



52.1049, 48.1725, 72.1984



12.5108, 12.7059, 16.4452



7.9767, 3.2363, 39.9427



0.5732, 0.2388, 2.5903

Inverse Universe

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



55.7046, 50.1168, 68.3677



77.7895, 67.5901, 96.6379



53.8874, 63.7207, 50.0187



13.5302, 13.2412, 16.0535



22.7180, 11.0882, 29.2244



1.4942, 0.7273, 2.0112

Previews

White Background



This preview shows how the XYZ color 46.9104, 45.4935, 71.9543 looks on a white background.

Color Contrast Check

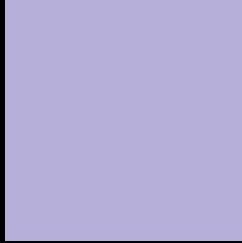
Large Text (above 18pt) WCAG AA × Fail

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 46.9104, 45.4935, 71.9543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

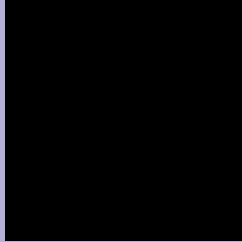
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9104, 45.4935, 71.9543

Background



This preview shows how black text looks on a background with the XYZ color 46.9104, 45.4935, 71.9543.



This preview shows how white text looks on a background with the XYZ color 46.9104, 45.4935,

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

46.9104, 45.4935, 71.9543

Protanopia

45.2841, 45.5013, 73.4137

Deuteranopia

46.6401, 45.6441, 71.9976



Tritanopia

43.8772, 45.4376, 56.9098

Trichromacy



Original Color

46.9104, 45.4935, 71.9543

Protanomaly

45.8326, 45.5049, 72.6974

Deuteranomaly

46.8721, 45.7637, 72.0085

Tritanomaly

44.9412, 45.5700, 62.3044

Monochromacy



Original Color

46.9104, 45.4935, 71.9543

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.2618, 46.1254, 58.1473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9104, 45.4935, 71.9543 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(181, 175, 217)` looks like.

```
.text, #text, p{  
    color:rgb(181, 175, 217)  
}
```

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(181, 175, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 175, 217) }
```

Border

The CSS property to change the border of an element to XYZ 46.9104, 45.4935, 71.9543 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(181, 175, 217) }
```


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

```
.border{ border-color:rgb(181, 175, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 175, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 175, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 175, 217);  
box-shadow:4px 4px 4px 4px rgb(181, 175,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9104, 45.4935, 71.9543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 175, 217) }
```

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

```
.background{ background-color: rgb(181,  
175, 217) }
```

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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