

Converting Colors

XYZ(47.7975, 45.8550, 76.2995)

Have a look what the booklet for
XYZ(47.7975, 45.8550, 76.2995)
contains.

XYZ(47.7053, 45.8114, 76.1402)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.7053, 45.8114,
76.1402)**

Conversions

Conversions Part 1

Format	Color
Hex	B5AFDF
RGB	181, 175, 223
RGB Percent	71%, 69%, 87%
CMY	0.2902, 0.3137, 0.1255
CMYK	0.19, 0.22, 0.00, 0.13
HSL	247°, 43%, 78%
HSV	247°, 22%, 87%
XYZ	47.7053, 45.8114, 76.1402
YIQ	182.2660, -11.8320, 16.2000

Conversions

Conversions Part 2

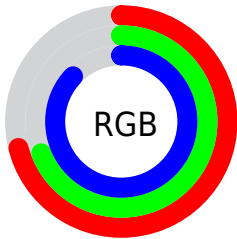
Format	Color
R_{YB}	181, 175, 223
Decimal	11907039
CIE _{Lab}	73.42, 11.91, -23.34
CIE _{LCh}	73, 26.206, 297.035
Yxy	45.8114, 0.2812, 0.2700
Android (android.graphics.Color)	4290097119 (0xFFB5AFDF)
YUV	182.2660, 20.0819, -1.1103
Hunter-Lab	67.6841, 7.3636, -19.3185

Details

The XYZ color **47.7053, 45.8114, 76.1402** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **62.7423, 70.6234, 50.8843**, and the grayscale version is **44.5081, 46.8260, 50.9935**.

A 20% lighter version of the original color is **81.5510, 82.3764, 106.2098**, and **23.0529, 21.5823, 39.9966** is the 20% darker color. If you saturate the color by 10%, you get **39.4590, 35.6414, 74.6126**, and if you desaturate by 10%, it is **57.3121, 57.7489, 77.9388**.

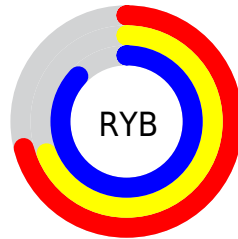
Distribution



Red (71%)

Green (69%)

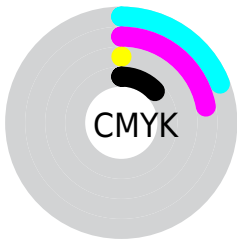
Blue (87%)



Red (71%)

Yellow (69%)

Blue (87%)

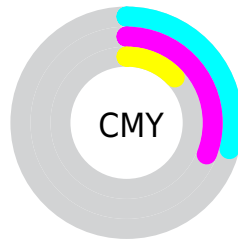


Cyan (19%)

Magenta (22%)

Yellow (0%)

Black (13%)



Cyan (29%)

Magenta (31%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7053, 45.8114, 76.1402 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 47.7053, 45.8114, 76.1402 by changing the saturation by 10% instead.

■ 47.7053, 45.8114,
76.1402

■ 47.7053, 45.8114,
76.1402

368.2249,
370.0499, 501.1871

■ 33.8038, 32.0970,
56.0401

■ 85.9778, 83.9367,
129.6870

■ 22.9051, 21.4356,
39.8309

111.0796,
109.1164, 163.9708

■ 14.6438, 13.4428,
27.0939

140.6455,
138.8866, 203.8195

■ 8.6544, 7.7342,
17.4107

175.0410,
173.6318, 249.6518

■ 4.5718, 3.9253,
10.3627

214.6313,
213.7363, 301.8862

■ 2.0304, 1.6319,
5.5314

259.7818,

■ 0.6510, 0.3789,

259.5846, 360.9412

2.4981

310.8579,
311.5610, 427.2353

■ 0.0000, 0.0000,
0.8392

■ 0.0000, 0.0000,
0.0000

■ 47.7053, 45.8114,
76.1402

■ 47.7053, 45.8114,
76.1402

■ 39.4590, 35.6414,
74.6126

■ 57.3121, 57.7489,
77.9388

■ 32.5071, 27.1493,
73.3398

■ 68.3327, 71.5267,
80.0173

■ 26.7847, 20.2462,
72.3090

■ 80.8229, 87.2202,
82.3882

■ 22.2193, 14.8326,
71.5047

■ 90.3194, 98.1078,
83.9892

■ 18.7309, 10.7977,
70.9097

■ 16.2288, 8.0152,
70.5045

■ 14.6071, 6.3348,
70.2657

■ 13.7948, 5.5728,
70.1614

Harmonies

Analogous

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



43.0846, 45.8114, 79.8381



47.7053, 45.8114, 76.1402



51.4270, 45.8114, 65.0404

Triad

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



47.7053, 45.8114, 76.1402



48.5559, 45.8114, 31.4390



35.2615, 45.8114, 48.5768

Complementary

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



47.7053, 45.8114, 76.1402



62.7423, 70.6234, 50.8843

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.



36.5079, 45.8114, 37.2813



47.7053, 45.8114, 76.1402



44.0034, 45.8114, 28.5472

Square

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



47.7053, 45.8114, 76.1402



51.9420, 45.8114, 39.1897



39.6289, 45.8114, 30.4818



36.1009, 45.8114, 62.3584

Rectangle

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



47.7053, 45.8114, 76.1402



52.7834, 45.8114, 55.8077



39.6289, 45.8114, 30.4818



35.4482, 45.8114, 44.3891

Sweetspot

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



47.7068, 45.8133, 76.1412



85.6068, 88.1724, 107.1147



55.9160, 64.2751, 79.2721



18.1127, 18.6091, 22.8872



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.



47.7068, 45.8133, 76.1412



59.2054, 55.3546, 102.1718



53.7174, 48.9119, 76.4225



13.1104, 13.3250, 17.2687



8.1622, 3.3031, 41.2557



0.6186, 0.2562, 2.8621

Inverse Universe

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



58.2872, 51.3595, 72.4888



76.1176, 64.2240, 96.1493



56.2214, 67.2617, 50.5791



14.2174, 13.9046, 16.9151



23.7227, 11.5561, 31.5350



1.6653, 0.8094, 2.2962

Previews

White Background



This preview shows how the XYZ color 47.7053, 45.8114, 76.1402 looks on a white background.

Color Contrast Check

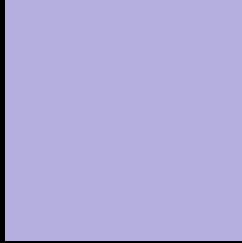
Large Text (above 18pt) WCAG AA × Fail

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 47.7053, 45.8114, 76.1402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

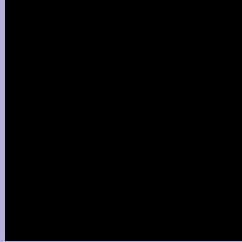
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7053, 45.8114, 76.1402

Background



This preview shows how black text looks on a background with the XYZ color 47.7053, 45.8114, 76.1402.



This preview shows how white text looks on a background with the XYZ color 47.7053, 45.8114,

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

47.7053, 45.8114, 76.1402

Protanopia

45.8732, 45.7120, 77.6397

Deuteranopia

46.9459, 46.0021, 76.2170



Tritanopia

43.9634, 45.7677, 57.5559

Trichromacy



Original Color

47.7053, 45.8114, 76.1402

Protanomaly

46.4103, 45.7103, 76.8979

Deuteranomaly

47.2047, 45.8434, 76.1727

Tritanomaly

45.2999, 45.7135, 64.1936

Monochromacy



Original Color

47.7053, 45.8114, 76.1402

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.4895, 46.2165, 59.3464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7053, 45.8114, 76.1402 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(181, 175, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 175, 223) }
```

Border

The CSS property to change the border of an element to XYZ 47.7053, 45.8114, 76.1402 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, 223) }
```


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

```
.border{ border-color:rgb(181, 175, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 175, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 175, 223);  
box-shadow:4px 4px 4px 4px rgb(181, 175,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7053, 45.8114, 76.1402 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, 223) }
```

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

```
.background{ background-color: rgb(181,  
175, 223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor