

Converting Colors

XYZ(45.4173, 41.7374, 80.5253)

Have a look what the booklet for
XYZ(45.4173, 41.7374, 80.5253)
contains.

XYZ(45.4173, 41.7374, 80.5253)	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(45.4173, 41.7374,
80.5253)**

Conversions

Conversions Part 1

Format	Color
Hex	AFA5E6
RGB	175, 165, 230
RGB Percent	69%, 65%, 90%
CMY	0.3137, 0.3529, 0.0980
CMYK	0.24, 0.28, 0.00, 0.10
HSL	249°, 57%, 77%
HSV	249°, 28%, 90%
XYZ	45.4173, 41.7374, 80.5253
YIQ	175.4000, -14.9050, 22.3350

Conversions

Conversions Part 2

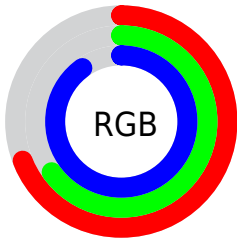
Format	Color
RYB	175, 165, 230
Decimal	11511270
CIELab	70.69, 17.24, -31.40
CIELCh	71, 35.820, 298.765
Yxy	41.7374, 0.2709, 0.2489
Android (android.graphics.Color)	4289701350 (0xFFAFA5E6)
YUV	175.4000, 26.9178, -0.3508
Hunter-Lab	64.6045, 12.4286, -28.6780

Details

The XYZ color **45.4173, 41.7374, 80.5253** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **64.6046, 74.5268, 46.5791**, and the grayscale version is **40.8263, 42.9524, 46.7752**.

A 20% lighter version of the original color is **76.5982, 75.3953, 105.1233**, and **21.4303, 18.9312, 42.5690** is the 20% darker color. If you saturate the color by 10%, you get **37.5783, 32.0825, 79.0756**, and if you desaturate by 10%, it is **54.6346, 53.2121, 82.2550**.

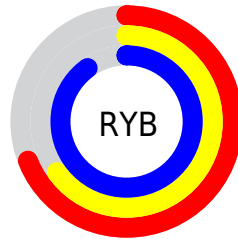
Distribution



Red (69%)

Green (65%)

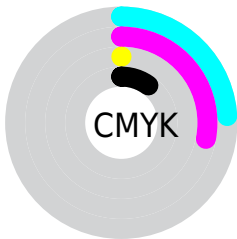
Blue (90%)



Red (69%)

Yellow (65%)

Blue (90%)

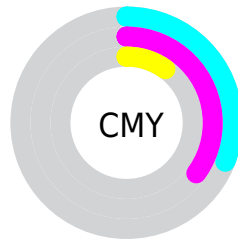


Cyan (24%)

Magenta (28%)

Yellow (0%)

Black (10%)



Cyan (31%)

Magenta (35%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4173, 41.7374, 80.5253 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 45.4173, 41.7374, 80.5253 by changing the saturation by 10% instead.

■ 45.4173, 41.7374,
80.5253

■ 45.4173, 41.7374,
80.5253

359.2163,
353.3932, 516.4547

■ 31.9889, 28.8957,
59.6220

■ 82.5795, 77.8020,
135.9221

■ 21.5085, 19.0020,
42.6907

■ 107.0440,
101.7938, 171.2527

■ 13.6108, 11.6717,
29.3129

135.9179,
130.2710, 212.2294

■ 7.9304, 6.5205,
19.0701

169.5666,
163.6181, 259.2709

■ 4.1019, 3.1641,
11.5436

208.3555,
202.2195, 312.7956

■ 1.7599, 1.2180,
6.3150

252.6498,

■ 0.4933, 0.0763,

246.4595, 373.2221

2.9657

302.8150,
296.7226, 440.9690

■ 0.0000, 0.0000,
1.0771

■ 0.0000, 0.0000,
0.0000

■ 45.4173, 41.7374,
80.5253

■ 45.4173, 41.7374,
80.5253

■ 37.5783, 32.0825,
79.0756

■ 54.6346, 53.2121,
82.2550

■ 31.0466, 24.1486,
77.8884

■ 65.2883, 66.5887,
84.2755

■ 25.7511, 17.8351,
76.9489

■ 77.4381, 81.9501,
86.6002

■ 21.6122, 13.0287,
76.2393

■ 90.4964, 98.0877,
89.0268

■ 18.5407, 9.6015,
75.7397

■ 91.2831, 98.4932,
89.0636

■ 16.4336, 7.4038,
75.4266

■ 15.1546, 6.2270,
75.2668

■ 14.9893, 6.0773,
75.2466

Harmonies

Analogous

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



39.4247, 41.7374, 86.5629



45.4173, 41.7374, 80.5253



50.2465, 41.7374, 64.5808

Triad

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



45.4173, 41.7374, 80.5253



45.8851, 41.7374, 22.8414



29.3224, 41.7374, 44.7441

Complementary

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



45.4173, 41.7374, 80.5253



64.6046, 74.5268, 46.5791

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.



30.6930, 41.7374, 30.5203



45.4173, 41.7374, 80.5253



39.9166, 41.7374, 19.9806

Square

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



45.4173, 41.7374, 80.5253



50.5350, 41.7374, 31.4655



34.4295, 41.7374, 22.3990



30.4861, 41.7374, 63.0509

Rectangle

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



45.4173, 41.7374, 80.5253



51.9453, 41.7374, 52.1129



34.4295, 41.7374, 22.3990



29.4993, 41.7374, 39.3715

Sweetspot

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



45.4187, 41.7391, 80.5263



82.8161, 84.5398, 106.5607



55.4601, 65.0314, 84.4929



17.2631, 17.5119, 22.7202



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.



45.4187, 41.7391, 80.5263



51.3141, 45.2373, 100.6349



53.5414, 45.9265, 80.9064



13.7882, 13.9931, 18.1185



8.5505, 3.4738, 42.6030



0.6958, 0.2896, 3.1512

Inverse Universe

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



59.0077, 48.9021, 74.0402



71.2743, 55.7667, 90.7458



55.7671, 69.9709, 46.1655



14.8948, 14.5751, 17.6465



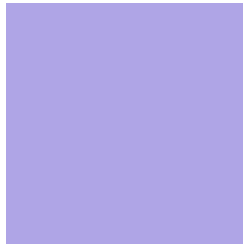
24.0641, 11.7599, 30.2963



1.8041, 0.8794, 2.3750

Previews

White Background



This preview shows how the XYZ color 45.4173, 41.7374, 80.5253 looks on a white background.

Color Contrast Check

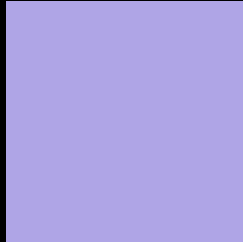
Large Text (above 18pt) WCAG AA × Fail

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 45.4173, 41.7374, 80.5253 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 45.4173, 41.7374, 80.5253

Background



This preview shows how black text looks on a background with the XYZ color 45.4173, 41.7374, 80.5253.



This preview shows how white text looks on a background with the XYZ color 45.4173, 41.7374,

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

45.4173, 41.7374, 80.5253

Protanopia

42.9318, 42.0349, 83.6927

Deuteranopia

42.8157, 41.7775, 79.9360



Tritanopia

39.8496, 41.6905, 52.9605

Trichromacy



Original Color

45.4173, 41.7374, 80.5253

Protanomaly

43.7962, 41.9405, 82.8778

Deuteranomaly

43.6625, 41.6617, 79.8690

Tritanomaly

41.7318, 41.6073, 62.3314

Monochromacy



Original Color

45.4173, 41.7374, 80.5253

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.0924, 42.1799, 57.5528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4173, 41.7374, 80.5253 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(175, 165, 230)` looks like.

```
.text, #text, p{  
    color:rgb(175, 165, 230)  
}
```

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(175, 165, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 165, 230) }
```

Border

The CSS property to change the border of an element to XYZ 45.4173, 41.7374, 80.5253 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(175, 165, 230) }
```


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

```
.border{ border-color:rgb(175, 165, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 165, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 165, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 165, 230);  
box-shadow:4px 4px 4px 4px rgb(175, 165,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4173, 41.7374, 80.5253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 165, 230) }
```

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

```
.background{ background-color: rgb(175,  
165, 230) }
```

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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