

Converting Colors

XYZ(45.4722, 46.3974, 64.3166)

Have a look what the booklet for
XYZ(45.4722, 46.3974, 64.3166)
contains.

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Color

**XYZ(45.4722, 46.3974,
64.3166)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B4CD
RGB	177, 180, 205
RGB Percent	69%, 71%, 80%
CMY	0.3059, 0.2941, 0.1961
CMYK	0.14, 0.12, 0.00, 0.20
HSL	234°, 22%, 75%
HSV	234°, 14%, 80%
XYZ	45.4722, 46.3974, 64.3166
YIQ	181.9530, -9.8130, 7.1390

Conversions

Conversions Part 2

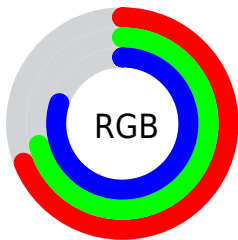
Format	Color
RYB	177, 180, 205
Decimal	11646157
CIELab	73.80, 3.98, -12.98
CIELCh	74, 13.573, 287.033
Yxy	46.3974, 0.2911, 0.2971
Android (android.graphics.Color)	4289836237 (0xFFB1B4CD)
YUV	181.9530, 11.3622, -4.3438
Hunter-Lab	68.1156, -0.0405, -8.3023

Details

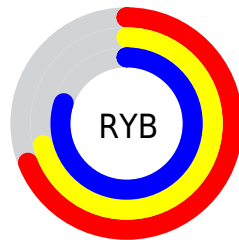
The XYZ color **45.4722, 46.3974, 64.3166** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.2336, 58.3945, 50.0089**, and the grayscale version is **44.3829, 46.6943, 50.8501**.

A 20% lighter version of the original color is **81.6497, 84.5345, 106.6211**, and **21.4875, 21.6982, 32.3338** is the 20% darker color. If you saturate the color by 10%, you get **37.6951, 37.2617, 62.9639**, and if you desaturate by 10%, it is **54.4414, 56.8744, 65.8669**.

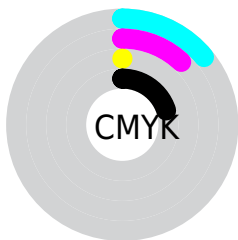
Distribution



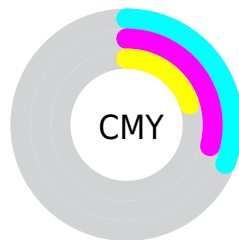
- Red (69%)
- Green (71%)
- Blue (80%)



- Red (69%)
- Yellow (71%)
- Blue (80%)



- Cyan (14%)
- Magenta (12%)
- Yellow (0%)
- Black (20%)



- Cyan (31%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4722, 46.3974, 64.3166 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 45.4722, 46.3974, 64.3166 by changing the saturation by 10% instead.

■ 45.4722, 46.3974,
64.3166

■ 45.4722, 46.3974,
64.3166

359.4342,
372.4040, 458.5709

■ 32.0324, 32.5595,
46.4593

■ 82.6613, 84.8134,
112.6706

■ 21.5419, 21.7892,
32.2572

107.1412,
110.1604, 144.0044

■ 13.6354, 13.7021,
21.2916

136.0319,
140.1125, 180.6675

■ 7.9475, 7.9138,
13.1440

169.6987,
175.0541, 223.0784

■ 4.1129, 4.0398,
7.3959

208.5070,
215.3697, 271.6557

■ 1.7662, 1.6959,
3.6287

252.8221,

■ 0.4972, 0.4210,

261.4436, 326.8178

1.4239

303.0094,
313.6603, 388.9833

■ 0.0000, 0.0000,
0.1603

■ 0.0000, 0.0000,
0.0000

■ 45.4722, 46.3974,
64.3166

■ 45.4722, 46.3974,
64.3166

■ 37.6951, 37.2617,
62.9639

■ 54.4414, 56.8744,
65.8669

■ 31.0558, 29.4073,
61.7978

■ 64.6458, 68.7377,
67.6189

■ 25.5019, 22.7787,
60.8110

■ 76.1312, 82.0376,
69.5807

■ 20.9754, 17.3136,
59.9947

■ 87.4521, 96.0529,
71.6892

■ 17.4127, 12.9443,
59.3391

■ 88.0196, 97.1878,
71.8784

■ 14.7431, 9.5964,
58.8336

■ 12.8860, 7.1856,
58.4662

■ 11.7459, 5.6140,
58.2229

■ 11.3061, 4.9809,
58.1239

Harmonies

Analogous

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



43.0665, 46.3974, 64.6036



45.4722, 46.3974, 64.3166



47.5818, 46.3974, 60.1262

Triad

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



45.4722, 46.3974, 64.3166



47.3374, 46.3974, 41.4073



39.7313, 46.3974, 47.5958

Complementary

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



45.4722, 46.3974, 64.3166



54.2336, 58.3945, 50.0089

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.



40.7911, 46.3974, 41.9937



45.4722, 46.3974, 64.3166



45.1485, 46.3974, 38.6463

Square

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



45.4722, 46.3974, 64.3166



48.6853, 46.3974, 46.7263



42.7544, 46.3974, 38.8507



39.8108, 46.3974, 54.5113

Rectangle

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



45.4722, 46.3974, 64.3166



48.5100, 46.3974, 55.8825



42.7544, 46.3974, 38.8507



39.9644, 46.3974, 45.5099

Sweetspot

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



45.4736, 46.3993, 64.3176



88.5599, 92.4433, 107.7835



50.5928, 57.2623, 64.0987



18.7022, 19.4914, 23.0265



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.



45.4736, 46.3993, 64.3176



71.0606, 71.9875, 104.7574



47.4160, 46.5107, 64.2368



10.6970, 11.0344, 14.1364



7.0726, 3.1692, 36.1952



0.3984, 0.2306, 1.8784

Inverse Universe

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



49.1384, 47.7199, 49.8031



78.0674, 74.5465, 76.9987



52.0847, 58.3425, 50.1121



11.2604, 11.2329, 11.9059



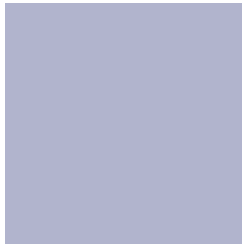
15.7808, 8.1229, 1.2986



0.8310, 0.4258, 0.1562

Previews

White Background



This preview shows how the XYZ color 45.4722, 46.3974, 64.3166 looks on a white background.

Color Contrast Check

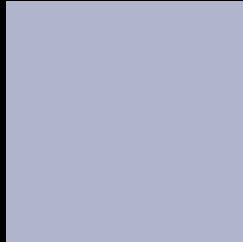
Large Text (above 18pt) WCAG AA × Fail

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 45.4722, 46.3974, 64.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

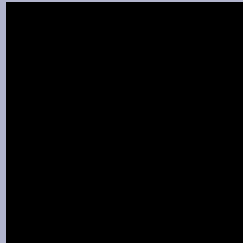
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4722, 46.3974, 64.3166

Background



This preview shows how black text looks on a background with the XYZ color 45.4722, 46.3974, 64.3166.



This preview shows how white text looks on a background with the XYZ color 45.4722, 46.3974,

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

45.4722, 46.3974, 64.3166

Protanopia

45.4722, 46.3974, 64.3166

Deuteranopia

47.3562, 46.4653, 64.8653



Tritanopia

44.3710, 46.5554, 58.8720

Trichromacy



Original Color

45.4722, 46.3974, 64.3166

Protanomaly

45.4722, 46.3974, 64.3166

Deuteranomaly

46.5894, 46.3643, 64.8862

Tritanomaly

44.7372, 46.4014, 60.6313

Monochromacy



Original Color

45.4722, 46.3974, 64.3166

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.6405, 46.4688, 55.3318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4722, 46.3974, 64.3166 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, 180, 205)` looks like.

```
.text, #text, p{  
    color:rgb(177, 180, 205)  
}
```

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, 180, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 180, 205) }
```

Border

The CSS property to change the border of an element to XYZ 45.4722, 46.3974, 64.3166 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, 180, 205) }
```


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

```
.border{ border-color:rgb(177, 180, 205) }
```

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

Here you see how a box with a 4 pixel rgb(177, 180, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 180, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 180, 205);  
box-shadow:4px 4px 4px 4px rgb(177, 180,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4722, 46.3974, 64.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 180, 205) }
```

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

```
.background{ background-color: rgb(177,  
180, 205) }
```

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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