

Converting Colors

XYZ(45.2406, 47.2247, 77.3817)

Have a look what the booklet for
XYZ(45.2406, 47.2247, 77.3817)
contains.

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Color

**XYZ(45.2930, 47.2399,
77.2520)**

Conversions

Conversions Part 1

Format	Color
Hex	A1B8E0
RGB	161, 184, 224
RGB Percent	63%, 72%, 88%
CMY	0.3686, 0.2784, 0.1216
CMYK	0.28, 0.18, 0.00, 0.12
HSL	218°, 50%, 75%
HSV	218°, 28%, 88%
XYZ	45.2930, 47.2399, 77.2520
YIQ	181.6830, -26.5480, 7.5640

Conversions

Conversions Part 2

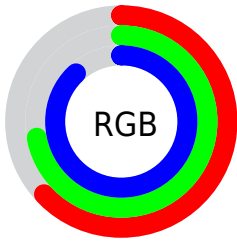
Format	Color
RYB	161, 178, 224
Decimal	10598624
CIELab	74.34, 1.13, -22.62
CIELCh	74, 22.645, 272.867
Yxy	47.2399, 0.2668, 0.2782
Android (android.graphics.Color)	4288788704 (0xFFA1B8E0)
YUV	181.6830, 20.8623, -18.1390
Hunter-Lab	68.7313, -2.6506, -18.5284

Details

The XYZ color **45.2930, 47.2399, 77.2520** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.0608, 60.1942, 42.2781**, and the grayscale version is **44.1929, 46.4944, 50.6324**.

A 20% lighter version of the original color is **77.8254, 84.2919, 106.7759**, and **21.4621, 22.2853, 40.7064** is the 20% darker color. If you saturate the color by 10%, you get **38.3698, 39.5045, 76.1246**, and if you desaturate by 10%, it is **53.3248, 55.9900, 78.5184**.

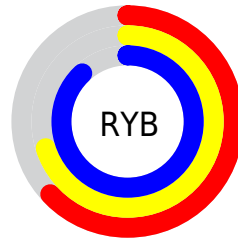
Distribution



Red (63%)

Green (72%)

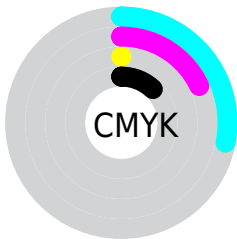
Blue (88%)



Red (63%)

Yellow (70%)

Blue (88%)

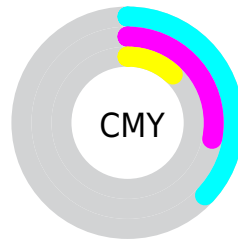


Cyan (28%)

Magenta (18%)

Yellow (0%)

Black (12%)



Cyan (37%)

Magenta (28%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2930, 47.2399, 77.2520 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 45.2930, 47.2399, 77.2520 by changing the saturation by 10% instead.

■ 45.2930, 47.2399,
77.2520

■ 45.2930, 47.2399,
77.2520

358.7227,
375.7713, 505.0833

■ 31.8905, 33.2253,
56.9469

■ 82.3943, 86.0716,
131.2714

■ 21.4330, 22.2991,
40.5536

■ 106.8238,
111.6575, 165.8228

■ 13.5552, 14.0769,
27.6533

135.6597,
141.8694, 205.9601

■ 7.8916, 8.1741,
17.8277

169.2674,
177.0916, 252.1018

■ 4.0769, 4.2066,
10.6582

208.0122,
217.7085, 304.6664

■ 1.7457, 1.7898,
5.7262

252.2594,

■ 0.4846, 0.4808,

264.1044, 364.0725

2.6133

302.3745,
316.6639, 430.7386

■ 0.0000, 0.0000,
0.8993

■ 0.0000, 0.0000,
0.0000

■ 45.2930, 47.2399,
77.2520

■ 45.2930, 47.2399,
77.2520

■ 38.3698, 39.5045,
76.1246

■ 53.3248, 55.9900,
78.5184

■ 32.4989, 32.7384,
75.1280

■ 62.5091, 65.7865,
79.9253

■ 27.6254, 26.9008,
74.2582

■ 72.8928, 76.6664,
81.4780

■ 23.6873, 21.9456,
73.5093

■ 84.5186, 88.6635,
83.1810

■ 20.6148, 17.8217,
72.8752

■ 90.4547, 98.1619,
84.7015

■ 18.3272, 14.4713,
72.3491

■ 16.7128, 11.8199,
71.9224

■ 16.4557, 11.3838,
71.8518

Harmonies

Analogous

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



41.4217, 47.2399, 74.0950



45.2930, 47.2399, 77.2520



49.2866, 47.2399, 72.6732

Triad

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



45.2930, 47.2399, 77.2520



51.8059, 47.2399, 40.1972



38.2836, 47.2399, 41.8686

Complementary

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



45.2930, 47.2399, 77.2520



58.0608, 60.1942, 42.2781

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.



40.7820, 47.2399, 34.8009



45.2930, 47.2399, 77.2520



48.5680, 47.2399, 33.9434

Square

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



45.2930, 47.2399, 77.2520



53.1865, 47.2399, 50.3224



44.5095, 47.2399, 32.1268



37.5224, 47.2399, 52.5663

Rectangle

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



45.2930, 47.2399, 77.2520



51.4389, 47.2399, 66.2018



44.5095, 47.2399, 32.1268



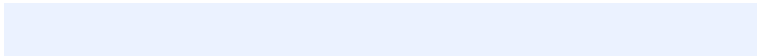
38.9404, 47.2399, 39.0476

Sweetspot

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



45.2945, 47.2418, 77.2531



83.9455, 88.3470, 107.2360



51.8856, 65.1017, 65.0290



17.5460, 18.4636, 22.8890



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.



45.2945, 47.2418, 77.2531



54.9061, 56.8652, 102.6900



42.6488, 39.3523, 75.8697



13.3597, 14.0586, 17.3971



9.6785, 6.8265, 41.8559



0.7541, 0.6397, 2.9290

Inverse Universe

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



52.1383, 44.7991, 51.2485



65.7181, 53.5442, 61.4869



61.2905, 70.4235, 44.0823



13.9130, 13.7829, 15.3123



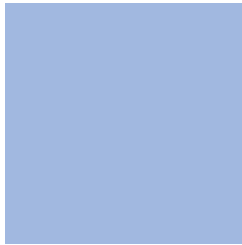
18.8254, 9.5972, 5.7466



1.3469, 0.6820, 0.6197

Previews

White Background



This preview shows how the XYZ color 45.2930, 47.2399, 77.2520 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 45.2930, 47.2399, 77.2520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

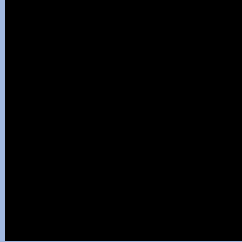
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

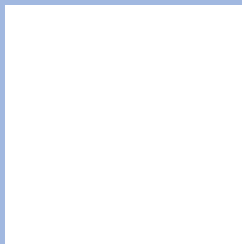
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.2930, 47.2399, 77.2520

Background



This preview shows how black text looks on a background with the XYZ color 45.2930, 47.2399, 77.2520.



This preview shows how white text looks on a background with the XYZ color 45.2930, 47.2399,

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

45.2930, 47.2399, 77.2520

Protanopia

46.9423, 47.2059, 75.7448

Deuteranopia

48.3011, 47.2601, 77.8105



Tritanopia

42.6673, 47.4463, 63.4092

Trichromacy



Original Color

45.2930, 47.2399, 77.2520

Protanomaly

46.4094, 47.2186, 76.4801

Deuteranomaly

47.1277, 47.2546, 77.8713

Tritanomaly

43.6287, 47.5129, 68.4994

Monochromacy



Original Color

45.2930, 47.2399, 77.2520

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.4671, 46.8969, 59.5317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2930, 47.2399, 77.2520 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(161, 184, 224)` looks like.

```
.text, #text, p{  
    color:rgb(161, 184, 224)  
}
```

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(161, 184, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 184, 224) }
```

Border

The CSS property to change the border of an element to XYZ 45.2930, 47.2399, 77.2520 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(161, 184, 224) }
```


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

```
.border{ border-color:rgb(161, 184, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 184, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 184, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 184, 224);  
box-shadow:4px 4px 4px 4px rgb(161, 184,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2930, 47.2399, 77.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 184, 224) }
```

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

```
.background{ background-color: rgb(161,  
184, 224) }
```

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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