

Converting Colors

XYZ(45.8438, 47.6362, 81.1292)

Have a look what the booklet for
XYZ(45.8438, 47.6362, 81.1292)
contains.

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Color

**XYZ(45.7899, 47.7260,
80.9274)**

Conversions

Conversions Part 1

Format	Color
Hex	9FB9E5
RGB	159, 185, 229
RGB Percent	62%, 73%, 90%
CMY	0.3765, 0.2745, 0.1020
CMYK	0.31, 0.19, 0.00, 0.10
HSL	218°, 57%, 76%
HSV	218°, 31%, 90%
XYZ	45.7899, 47.7260, 80.9274
YIQ	182.2420, -29.6200, 8.1720

Conversions

Conversions Part 2

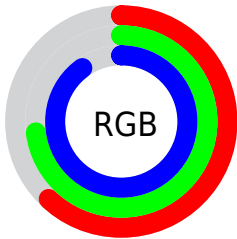
Format	Color
R _Y B	159, 178, 229
Decimal	10467813
CIE Lab	74.65, 1.22, -24.87
CIE LCh	75, 24.899, 272.819
Yxy	47.7260, 0.2625, 0.2736
Android (android.graphics.Color)	4288657893 (0xFF9FB9E5)
YUV	182.2420, 23.0517, -20.3832
Hunter-Lab	69.0840, -2.5846, -21.0956

Details

The XYZ color **45.7899, 47.7260, 80.9274** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.9279, 61.8737, 41.5866**, and the grayscale version is **44.4864, 46.8031, 50.9686**.

A 20% lighter version of the original color is **77.5296, 84.5777, 106.8466**, and **21.7379, 22.5838, 42.7486** is the 20% darker color. If you saturate the color by 10%, you get **38.8024, 39.8786, 79.7818**, and if you desaturate by 10%, it is **53.9266, 56.6206, 82.2162**.

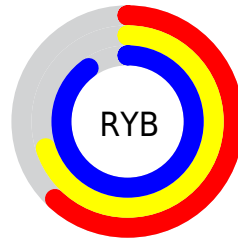
Distribution



Red (62%)

Green (73%)

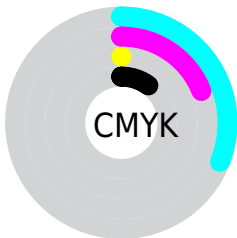
Blue (90%)



Red (62%)

Yellow (70%)

Blue (90%)

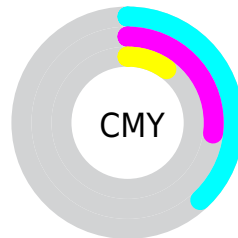


Cyan (31%)

Magenta (19%)

Yellow (0%)

Black (10%)



Cyan (38%)

Magenta (27%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7899, 47.7260, 80.9274 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 45.7899, 47.7260, 80.9274 by changing the saturation by 10% instead.

■ 45.7899, 47.7260,
80.9274

■ 45.7899, 47.7260,
80.9274

360.6934,
377.7050, 517.8417

■ 32.2840, 33.6100,
59.9512

■ 83.1343, 86.7963,
136.4920

■ 21.7351, 22.5941,
42.9542

■ 107.7034,
112.5194, 171.9174

■ 13.7779, 14.2941,
29.5181

136.6910,
142.8802, 212.9963

■ 8.0470, 8.3255,
19.2241

170.4625,
178.2632, 260.1472

■ 4.1771, 4.3039,
11.6539

209.3831,
219.0528, 313.7886

■ 1.8028, 1.8450,
6.3888

253.8182,

■ 0.5194, 0.5150,

265.6334, 374.3392

3.0103

304.1332,
318.3893, 442.2174

■ 0.0000, 0.0000,
1.0999

■ 0.0000, 0.0000,
0.0000

■ 45.7899, 47.7260,
80.9274

■ 45.7899, 47.7260,
80.9274

■ 38.8024, 39.8786,
79.7818

■ 53.9266, 56.6206,
82.2162

■ 32.9039, 33.0308,
78.7709

■ 63.2595, 66.5961,
83.6498

■ 28.0355, 27.1390,
77.8903

■ 73.8384, 77.6917,
85.2339

■ 24.1302, 22.1542,
77.1340

■ 85.7089, 89.9427,
86.9729

■ 21.1123, 18.0216,
76.4954

■ 91.1430, 98.4372,
88.3261

■ 18.8930, 14.6789,
75.9671

■ 17.3963, 12.1639,
75.5605

Harmonies

Analogous

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



41.5149, 47.7260, 77.3372



45.7899, 47.7260, 80.9274



50.2263, 47.7260, 75.7562

Triad

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



45.7899, 47.7260, 80.9274



53.0472, 47.7260, 39.6338



38.0770, 47.7260, 41.4260

Complementary

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



45.7899, 47.7260, 80.9274



59.9279, 61.8737, 41.5866

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.



40.8226, 47.7260, 33.7635



45.7899, 47.7260, 80.9274



49.4400, 47.7260, 32.8556

Square

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



45.7899, 47.7260, 80.9274



54.5865, 47.7260, 50.7538



44.9370, 47.7260, 30.8975



37.2403, 47.7260, 53.1964

Rectangle

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



45.7899, 47.7260, 80.9274



52.6280, 47.7260, 68.4661



44.9370, 47.7260, 30.8975



38.7979, 47.7260, 38.3550

Sweetspot

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



45.7914, 47.7279, 80.9285



82.6745, 87.0432, 107.0514



52.9990, 67.6828, 66.2526



17.2941, 18.2064, 22.8526



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.



45.7914, 47.7279, 80.9285



52.3489, 54.1035, 102.2917



42.5139, 38.6886, 79.3565



14.0192, 14.7597, 18.2543



10.0522, 7.1664, 43.2366



0.8295, 0.7029, 3.2239

Inverse Universe

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



53.4695, 44.9585, 51.7606



63.8530, 50.5993, 58.4444



64.0464, 73.8888, 43.6887



14.5973, 14.4561, 16.0795



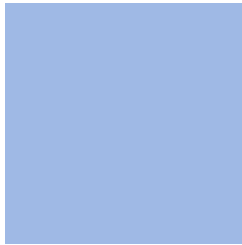
19.4674, 9.9212, 6.0901



1.4823, 0.7506, 0.6803

Previews

White Background



This preview shows how the XYZ color 45.7899, 47.7260, 80.9274 looks on a white background.

Color Contrast Check

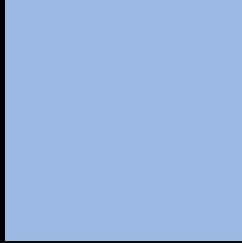
Large Text (above 18pt) WCAG AA × Fail

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 45.7899, 47.7260, 80.9274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

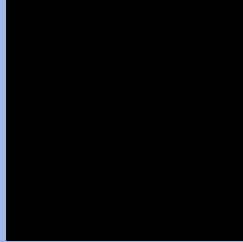
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

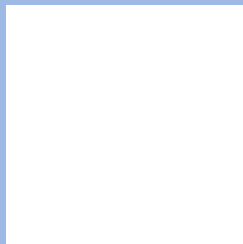
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7899, 47.7260, 80.9274

Background



This preview shows how black text looks on a background with the XYZ color 45.7899, 47.7260, 80.9274.



This preview shows how white text looks on a background with the XYZ color 45.7899, 47.7260,

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

45.7899, 47.7260, 80.9274

Protanopia

47.6226, 47.4780, 79.3272

Deuteranopia

48.7356, 47.7028, 81.5018



Tritanopia

42.4231, 47.6249, 64.0833

Trichromacy



Original Color

45.7899, 47.7260, 80.9274

Protanomaly

46.8800, 47.3822, 80.0736

Deuteranomaly

47.5884, 47.7151, 81.5647

Tritanomaly

43.7038, 47.8385, 69.8811

Monochromacy



Original Color

45.7899, 47.7260, 80.9274

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.6978, 46.9892, 60.7468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7899, 47.7260, 80.9274 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(159, 185, 229)` looks like.

```
.text, #text, p{  
    color:rgb(159, 185, 229)  
}
```

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(159, 185, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 185, 229) }
```

Border

The CSS property to change the border of an element to XYZ 45.7899, 47.7260, 80.9274 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(159, 185, 229) }
```


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

```
.border{ border-color:rgb(159, 185, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 185, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 185, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 185, 229);  
box-shadow:4px 4px 4px 4px rgb(159, 185,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7899, 47.7260, 80.9274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 185, 229) }
```

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

```
.background{ background-color: rgb(159,  
185, 229) }
```

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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