

Converting Colors

XYZ(44.4656, 46.9446, 80.8520)

Have a look what the booklet for
XYZ(44.4656, 46.9446, 80.8520)
contains.

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Color

**XYZ(44.4407, 47.0305,
80.8643)**

Conversions

Conversions Part 1

Format	Color
Hex	98B9E5
RGB	152, 185, 229
RGB Percent	60%, 73%, 90%
CMY	0.4039, 0.2745, 0.1020
CMYK	0.34, 0.19, 0.00, 0.10
HSL	214°, 60%, 75%
HSV	214°, 34%, 90%
XYZ	44.4407, 47.0305, 80.8643
YIQ	180.1490, -33.7920, 6.6880

Conversions

Conversions Part 2

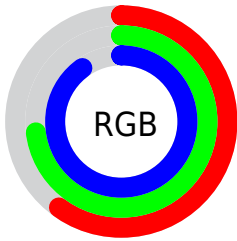
Format	Color
R_{YB}	152, 175, 229
Decimal	10009061
CIE _{Lab}	74.21, -0.76, -25.59
CIE _{LCh}	74, 25.596, 268.306
Yxy	47.0305, 0.2579, 0.2729
Android (android.graphics.Color)	4288199141 (0xFF98B9E5)
YUV	180.1490, 24.0835, -24.6867
Hunter-Lab	68.5788, -4.3406, -21.9063

Details

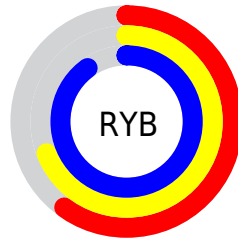
The XYZ color **44.4407, 47.0305, 80.8643** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.7213, 58.4055, 37.9383**, and the grayscale version is **43.3514, 45.6090, 49.6682**.

A 20% lighter version of the original color is **75.5177, 83.5405, 106.7525**, and **20.8311, 22.1163, 42.7061** is the 20% darker color. If you saturate the color by 10%, you get **37.9489, 39.8063, 79.8129**, and if you desaturate by 10%, it is **52.0149, 55.1888, 82.0406**.

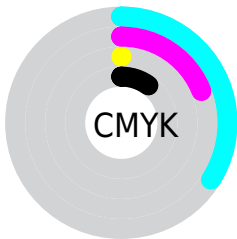
Distribution



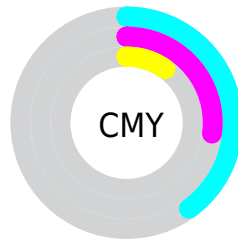
- Red (60%)
- Green (73%)
- Blue (90%)



- Red (60%)
- Yellow (69%)
- Blue (90%)



- Cyan (34%)
- Magenta (19%)
- Yellow (0%)
- Black (10%)



- Cyan (40%)
- Magenta (27%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4407, 47.0305, 80.8643 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 44.4407, 47.0305, 80.8643 by changing the saturation by 10% instead.

■ 44.4407, 47.0305,
80.8643

■ 44.4407, 47.0305,
80.8643

355.3256,
374.9363, 517.6242

■ 31.2165, 33.0598,
59.8995

■ 81.1227, 85.7591,
136.4026

■ 20.9164, 22.1722,
42.9129

■ 105.3113,
111.2859, 171.8131

■ 13.1750, 13.9835,
29.4859

133.8853,
141.4333, 212.8760

■ 7.6270, 8.1092,
19.1999

167.2102,
176.5860, 260.0097

■ 3.9070, 4.1649,
11.6366

205.6514,
217.1282, 313.6329

■ 1.6497, 1.7662,
6.3772

249.5741,

■ 0.4244, 0.4660,

263.4444, 374.1640

3.0033

299.3437,
315.9190, 442.0216

■ 0.0000, 0.0000,
1.0963

■ 0.0000, 0.0000,
0.0000

■ 44.4407, 47.0305,
80.8643

■ 44.4407, 47.0305,
80.8643

■ 37.9489, 39.8063,
79.8129

■ 52.0149, 55.1888,
82.0406

■ 32.4804, 33.4726,
78.8786

■ 60.7175, 64.3115,
83.3428

■ 27.9771, 27.9900,
78.0577

■ 70.5971, 74.4339,
84.7759

■ 24.3722, 23.3131,
77.3449

■ 81.6981, 85.5879,
86.3438

■ 21.5898, 19.3912,
76.7346

■ 89.7026, 95.5563,
87.8460

■ 19.5384, 16.1651,
76.2200

■ 91.1430, 98.4372,
88.3261

■ 18.5245, 14.4201,
75.9366

Harmonies

Analogous

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



40.2217, 47.0305, 75.8729



44.4407, 47.0305, 80.8643



49.0191, 47.0305, 76.8481

Triad

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



44.4407, 47.0305, 80.8643



52.9324, 47.0305, 40.1310



37.6026, 47.0305, 39.0410

Complementary

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



44.4407, 47.0305, 80.8643



57.7213, 58.4055, 37.9383

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.



40.6444, 47.0305, 32.0186



44.4407, 47.0305, 80.8643



49.5012, 47.0305, 32.5681

Square

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



44.4407, 47.0305, 80.8643



54.1184, 47.0305, 51.9590



44.9625, 47.0305, 29.8663



36.4450, 47.0305, 50.4647

Rectangle

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



44.4407, 47.0305, 80.8643



51.6222, 47.0305, 69.9324



44.9625, 47.0305, 29.8663



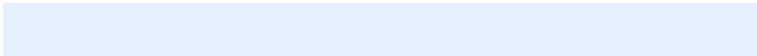
38.4280, 47.0305, 36.1655

Sweetspot

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



44.4422, 47.0323, 80.8654



81.8094, 86.5334, 106.9985



50.8915, 66.6839, 62.1962



17.1390, 18.1392, 22.8478



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.



44.4422, 47.0323, 80.8654



51.0887, 53.7959, 102.2987



39.3030, 35.2965, 78.8710



14.0882, 14.8978, 18.2774



10.7054, 8.4729, 43.4544



0.8817, 0.8074, 3.2413

Inverse Universe

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



52.2996, 42.6186, 51.3707



62.6768, 48.0607, 58.6261



64.3870, 74.1326, 40.6226



14.6321, 14.4700, 16.2631



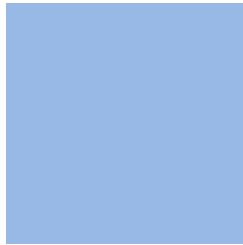
19.7971, 10.0531, 7.8265



1.5087, 0.7612, 0.8193

Previews

White Background



This preview shows how the XYZ color 44.4407, 47.0305, 80.8643 looks on a white background.

Color Contrast Check

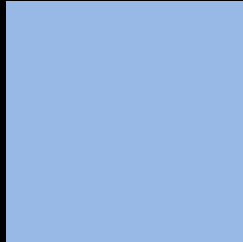
Large Text (above 18pt) WCAG AA × Fail

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 44.4407, 47.0305, 80.8643 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

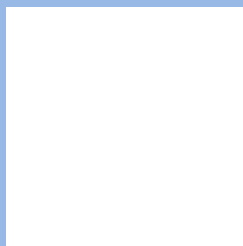
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.4407, 47.0305, 80.8643

Background



This preview shows how black text looks on a background with the XYZ color 44.4407, 47.0305, 80.8643.



This preview shows how white text looks on a background with the XYZ color 44.4407, 47.0305,

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

44.4407, 47.0305, 80.8643

Protanopia

46.8433, 46.7914, 78.5142

Deuteranopia

48.0822, 47.0673, 81.4136



Tritanopia

40.9507, 46.8658, 64.0144

Trichromacy



Original Color

44.4407, 47.0305, 80.8643

Protanomaly

45.9029, 46.8945, 79.3052

Deuteranomaly

46.7432, 46.9764, 81.4666

Tritanomaly

42.2062, 47.0664, 69.8110

Monochromacy



Original Color

44.4407, 47.0305, 80.8643

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.4986, 46.0792, 60.0276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4407, 47.0305, 80.8643 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(152, 185, 229)` looks like.

```
.text, #text, p{  
    color:rgb(152, 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(152, 185, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 185, 229) }
```

Border

The CSS property to change the border of an element to XYZ 44.4407, 47.0305, 80.8643 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(152, 185, 229) }
```


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

```
.border{ border-color:rgb(152, 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(152, 185, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 185, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 185, 229);  
box-shadow:4px 4px 4px 4px rgb(152, 185,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4407, 47.0305, 80.8643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 185, 229) }
```

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

```
.background{ background-color: rgb(152,  
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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