

Converting Colors

XYZ(46.5339, 46.3965, 86.9324)

Have a look what the booklet for
XYZ(46.5339, 46.3965, 86.9324)
contains.

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Color

**XYZ(46.5076, 46.4383,
86.6330)**

Conversions

Conversions Part 1

Format	Color
Hex	A2B4ED
RGB	162, 180, 237
RGB Percent	64%, 71%, 93%
CMY	0.3647, 0.2941, 0.0706
CMYK	0.32, 0.24, 0.00, 0.07
HSL	226°, 68%, 78%
HSV	226°, 32%, 93%
XYZ	46.5076, 46.4383, 86.6330
YIQ	181.1160, -29.0250, 13.9110

Conversions

Conversions Part 2

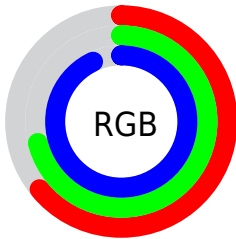
Format	Color
RYB	162, 177, 237
Decimal	10663149
CIELab	73.83, 6.81, -30.45
CIELCh	74, 31.201, 282.603
Yxy	46.4383, 0.2590, 0.2586
Android (android.graphics.Color)	4288853229 (0xFFA2B4ED)
YUV	181.1160, 27.5508, -16.7647
Hunter-Lab	68.1457, 2.5666, -27.6729

Details

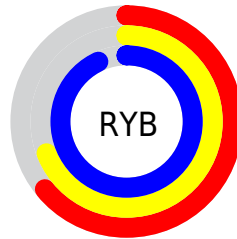
The XYZ color **46.5076, 46.4383, 86.6330** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **66.7791, 71.2770, 44.4222**, and the grayscale version is **43.8519, 46.1356, 50.2417**.

A 20% lighter version of the original color is **76.9589, 82.1163, 106.4016**, and **22.1142, 21.7031, 46.7396** is the 20% darker color. If you saturate the color by 10%, you get **38.7365, 37.3813, 85.2952**, and if you desaturate by 10%, it is **55.6615, 56.9116, 88.1729**.

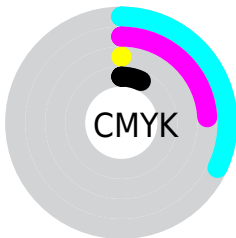
Distribution



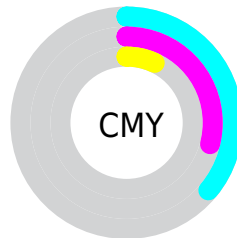
- Red (64%)
- Green (71%)
- Blue (93%)



- Red (64%)
- Yellow (69%)
- Blue (93%)



- Cyan (32%)
- Magenta (24%)
- Yellow (0%)
- Black (7%)



- Cyan (36%)
- Magenta (29%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5076, 46.4383, 86.6330 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 46.5076, 46.4383, 86.6330 by changing the saturation by 10% instead.

■ 46.5076, 46.4383,
86.6330

■ 46.5076, 46.4383,
86.6330

363.5274,
372.5680, 537.3010

■ 32.8529, 32.5918,
64.6336

■ 84.2014, 84.8746,
144.5468

■ 22.1725, 21.8139,
46.7146

■ 108.9711,
110.2332, 181.2984

■ 14.1010, 13.7203,
32.4574

138.1766,
140.1979, 223.8045

■ 8.2731, 7.9264,
21.4434

172.1832,
175.1532, 272.4836

■ 4.3235, 4.0479,
13.2541

211.3562,
215.4835, 327.7542

■ 1.8867, 1.7004,
7.4710

256.0610,

■ 0.5691, 0.4239,

261.5731, 390.0350

3.6755

306.6630,
313.8065, 459.7444

■ 0.0000, 0.0000,
1.4490

■ 0.0000, 0.0000,
0.1795

■ 46.5076, 46.4383,
86.6330

■ 46.5076, 46.4383,
86.6330

■ 38.7365, 37.3813,
85.2952

■ 55.6615, 56.9116,
88.1729

■ 32.2745, 29.6728,
84.1479

■ 66.2579, 68.8544,
89.9196

■ 27.0478, 23.2472,
83.1831

■ 78.3583, 82.3235,
91.8816

■ 22.9728, 18.0308,
82.3910

■ 91.3526, 97.0273,
94.0349

■ 19.9551, 13.9419,
81.7608

■ 92.2862, 98.8945,
94.3461

■ 17.8837, 10.8871,
81.2804

■ 16.7435, 9.0291,
80.9818

Harmonies

Analogous

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



41.0242, 46.4383, 85.6893



46.5076, 46.4383, 86.6330



51.7622, 46.4383, 76.5565

Triad

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



46.5076, 46.4383, 86.6330



52.4671, 46.4383, 32.5704



34.7190, 46.4383, 41.9660

Complementary

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



46.5076, 46.4383, 86.6330



66.7791, 71.2770, 44.4222

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.



37.3022, 46.4383, 31.2409



46.5076, 46.4383, 86.6330



47.4059, 46.4383, 26.6493

Square

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



46.5076, 46.4383, 86.6330



55.3916, 46.4383, 44.1844



41.8507, 46.4383, 26.2200



34.5225, 46.4383, 57.5286

Rectangle

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



46.5076, 46.4383, 86.6330



54.3056, 46.4383, 65.9687



41.8507, 46.4383, 26.2200



35.3264, 46.4383, 37.7651

Sweetspot

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



46.5091, 46.4401, 86.6341



81.7910, 85.2763, 106.7569



57.8733, 73.3258, 77.6055



17.0776, 17.7733, 22.7804



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.



46.5091, 46.4401, 86.6341



48.7667, 47.6923, 101.2430



47.2053, 41.7502, 85.6922



14.5247, 15.1359, 19.0782



9.2261, 5.0992, 44.2409



0.7974, 0.5462, 3.4983

Inverse Universe

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



56.0849, 47.1420, 49.3251



61.8611, 49.0987, 50.1248



65.7951, 78.1220, 45.7953



15.2137, 15.1133, 16.4104



19.5122, 10.0076, 3.2326



1.5690, 0.8006, 0.4476

Previews

White Background



This preview shows how the XYZ color 46.5076, 46.4383, 86.6330 looks on a white background.

Color Contrast Check

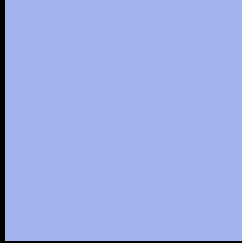
Large Text (above 18pt) WCAG AA × Fail

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 46.5076, 46.4383, 86.6330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

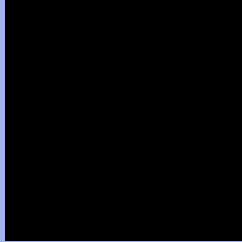
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5076, 46.4383, 86.6330

Background



This preview shows how black text looks on a background with the XYZ color 46.5076, 46.4383, 86.6330.



This preview shows how white text looks on a background with the XYZ color 46.5076, 46.4383,

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

46.5076, 46.4383, 86.6330

Protanopia

46.9863, 46.4033, 85.8372

Deuteranopia

47.3549, 46.2800, 86.5578



Tritanopia

41.6394, 46.6277, 62.0638

Trichromacy



Original Color

46.5076, 46.4383, 86.6330

Protanomaly

46.7775, 46.2957, 85.8274

Deuteranomaly

47.1320, 46.4616, 86.6046

Tritanomaly

43.1827, 46.3041, 70.2799

Monochromacy



Original Color

46.5076, 46.4383, 86.6330

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.5220, 46.2635, 61.8415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5076, 46.4383, 86.6330 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(162, 180, 237)` looks like.

```
.text, #text, p{  
    color:rgb(162, 180, 237)  
}
```

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(162, 180, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 180, 237) }
```

Border

The CSS property to change the border of an element to XYZ 46.5076, 46.4383, 86.6330 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(162, 180, 237) }
```


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

```
.border{ border-color:rgb(162, 180, 237) }
```

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

Here you see how a box with a 4 pixel rgb(162, 180, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 180, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 180, 237);  
box-shadow:4px 4px 4px 4px rgb(162, 180,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5076, 46.4383, 86.6330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 180, 237) }
```

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

```
.background{ background-color: rgb(162,  
180, 237) }
```

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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