

Converting Colors

XYZ(45.6416, 46.2803, 77.4768)

Have a look what the booklet for
XYZ(45.6416, 46.2803, 77.4768)
contains.

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Color

**XYZ(45.6377, 46.1858,
77.7435)**

Conversions

Conversions Part 1

Format	Color
Hex	A6B4E1
RGB	166, 180, 225
RGB Percent	65%, 71%, 88%
CMY	0.3490, 0.2941, 0.1176
CMYK	0.26, 0.20, 0.00, 0.12
HSL	226°, 50%, 77%
HSV	226°, 26%, 88%
XYZ	45.6377, 46.1858, 77.7435
YIQ	180.9440, -22.7890, 11.0270

Conversions

Conversions Part 2

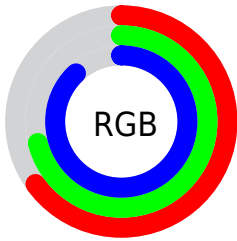
Format	Color
RYB	166, 177, 225
Decimal	10925281
CIELab	73.67, 5.04, -24.16
CIELCh	74, 24.681, 281.781
Yxy	46.1858, 0.2691, 0.2724
Android (android.graphics.Color)	4289115361 (0xFFA6B4E1)
YUV	180.9440, 21.7196, -13.1059
Hunter-Lab	67.9601, 0.9390, -20.2531

Details

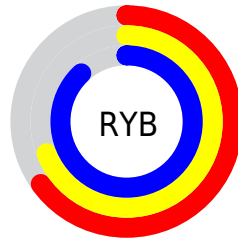
The XYZ color **45.6377, 46.1858, 77.7435** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.2289, 65.3493, 45.4641**, and the grayscale version is **43.7871, 46.0674, 50.1675**.

A 20% lighter version of the original color is **78.1697, 82.7405, 106.4583**, and **21.6551, 21.5917, 41.0565** is the 20% darker color. If you saturate the color by 10%, you get **38.0750, 37.4597, 76.4586**, and if you desaturate by 10%, it is **54.4574, 56.1988, 79.2121**.

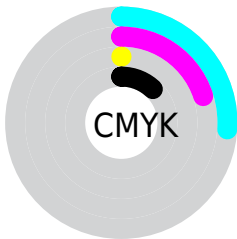
Distribution



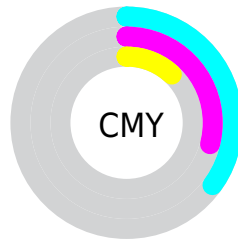
- Red (65%)
- Green (71%)
- Blue (88%)



- Red (65%)
- Yellow (69%)
- Blue (88%)



- Cyan (26%)
- Magenta (20%)
- Yellow (0%)
- Black (12%)



- Cyan (35%)
- Magenta (29%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6377, 46.1858, 77.7435 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 45.6377, 46.1858, 77.7435 by changing the saturation by 10% instead.

■ 45.6377, 46.1858,
77.7435

■ 45.6377, 46.1858,
77.7435

360.0906,
371.5551, 506.8001

■ 32.1634, 32.3925,
57.3481

■ 82.9077, 84.4970,
131.9711

■ 21.6425, 21.6614,
40.8736

■ 107.4342,
109.7836, 166.6403

■ 13.7096, 13.6083,
27.9013

136.3754,
139.6702, 206.9045

■ 7.9993, 7.8488,
18.0129

170.0967,
174.5410, 253.1824

■ 4.1463, 3.9983,
10.7897

208.9636,
214.7805, 305.8923

■ 1.7852, 1.6726,
5.8132

253.3413,

■ 0.5088, 0.4058,

260.7731, 365.4529

2.6649

303.5951,
312.9032, 432.2826

■ 0.0000, 0.0000,
0.9257

■ 0.0000, 0.0000,
0.0000

■ 45.6377, 46.1858,
77.7435

■ 45.6377, 46.1858,
77.7435

■ 38.0750, 37.4597,
76.4586

■ 54.4574, 56.1988,
79.2121

■ 31.7063, 29.9616,
75.3470

■ 64.5843, 67.5432,
80.8681

■ 26.4696, 23.6361,
74.4020

■ 76.0712, 80.2684,
82.7189

■ 22.2955, 18.4210,
73.6154

■ 88.5969, 94.2287,
84.7533

■ 19.1062, 14.2482,
72.9781

■ 90.5907, 98.2163,
85.4179

■ 16.8127, 11.0412,
72.4799

■ 15.3068, 8.7104,
72.1094

■ 14.8820, 8.0189,
71.9983

Harmonies

Analogous

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



41.3209, 46.1858, 76.8111



45.6377, 46.1858, 77.7435



49.7434, 46.1858, 70.4721

Triad

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



45.6377, 46.1858, 77.7435



50.4729, 46.1858, 35.8873



36.3847, 46.1858, 43.1276

Complementary

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



45.6377, 46.1858, 77.7435



61.2289, 65.3493, 45.4641

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.



38.5299, 46.1858, 34.3813



45.6377, 46.1858, 77.7435



46.5805, 46.1858, 30.7045

Square

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



45.6377, 46.1858, 77.7435



52.6564, 46.1858, 45.5297



42.2035, 46.1858, 30.2033



36.1694, 46.1858, 55.3679

Rectangle

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



45.6377, 46.1858, 77.7435



51.7334, 46.1858, 62.5587



42.2035, 46.1858, 30.2033



36.8970, 46.1858, 39.7378

Sweetspot

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



45.6392, 46.1876, 77.7446



83.1749, 86.8059, 106.9792



54.3161, 66.6239, 71.1340



17.3529, 18.0774, 22.8246



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.



45.6392, 46.1876, 77.7446



55.3934, 55.3447, 102.3708



46.2254, 42.5034, 77.0025



13.2148, 13.7687, 17.3488



8.6509, 4.7713, 41.5134



0.6683, 0.4681, 2.9004

Inverse Universe

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



52.9269, 46.5765, 49.3827



66.5731, 56.2181, 58.8005



60.4586, 70.3428, 46.4685



13.8399, 13.7536, 14.9270



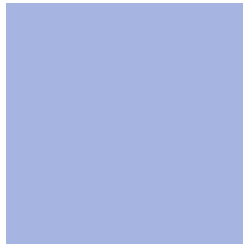
18.3068, 9.3897, 3.0152



1.3036, 0.6647, 0.3915

Previews

White Background



This preview shows how the XYZ color 45.6377, 46.1858, 77.7435 looks on a white background.

Color Contrast Check

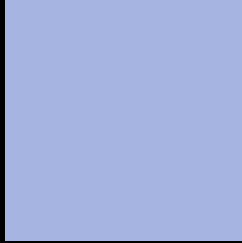
Large Text (above 18pt) WCAG AA × Fail

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 45.6377, 46.1858, 77.7435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

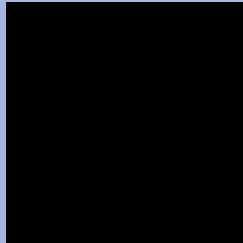
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6377, 46.1858, 77.7435

Background



This preview shows how black text looks on a background with the XYZ color 45.6377, 46.1858, 77.7435.



This preview shows how white text looks on a background with the XYZ color 45.6377, 46.1858,

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

45.6377, 46.1858, 77.7435

Protanopia

46.1522, 46.1681, 76.9999

Deuteranopia

47.1288, 46.0492, 78.3559



Tritanopia

42.3557, 46.3985, 60.7563

Trichromacy



Original Color

45.6377, 46.1858, 77.7435

Protanomaly

45.9368, 46.0570, 76.9898

Deuteranomaly

46.6611, 46.1024, 78.3909

Tritanomaly

43.4229, 46.2076, 66.3048

Monochromacy



Original Color

45.6377, 46.1858, 77.7435

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.5064, 46.3091, 59.4161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6377, 46.1858, 77.7435 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(166, 180, 225)` looks like.

```
.text, #text, p{  
    color:rgb(166, 180, 225)  
}
```

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(166, 180, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 180, 225) }
```

Border

The CSS property to change the border of an element to XYZ 45.6377, 46.1858, 77.7435 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(166, 180, 225) }
```


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

```
.border{ border-color:rgb(166, 180, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 180, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 180, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 180, 225);  
box-shadow:4px 4px 4px 4px rgb(166, 180,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6377, 46.1858, 77.7435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 180, 225) }
```

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

```
.background{ background-color: rgb(166,  
180, 225) }
```

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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