

Converting Colors

XYZ(47.8487, 45.8701, 83.0677)

Have a look what the booklet for
XYZ(47.8487, 45.8701, 83.0677)
contains.

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Color

**XYZ(47.7171, 45.6571,
83.3885)**

Conversions

Conversions Part 1

Format	Color
Hex	AFAFE9
RGB	175, 175, 233
RGB Percent	69%, 69%, 91%
CMY	0.3137, 0.3137, 0.0863
CMYK	0.25, 0.25, 0.00, 0.09
HSL	240°, 57%, 80%
HSV	240°, 25%, 91%
XYZ	47.7171, 45.6571, 83.3885
YIQ	181.6120, -18.6180, 18.0380

Conversions

Conversions Part 2

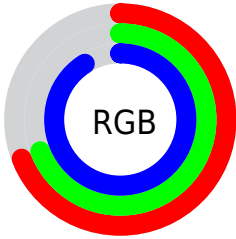
Format	Color
RYB	175, 175, 233
Decimal	11513833
CIELab	73.32, 12.38, -28.98
CIELCh	73, 31.512, 293.128
Yxy	45.6571, 0.2700, 0.2583
Android (android.graphics.Color)	4289703913 (0xFFAFAFE9)
YUV	181.6120, 25.3343, -5.7987
Hunter-Lab	67.5700, 7.8069, -25.8710

Details

The XYZ color **47.7171, 45.6571, 83.3885** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **70.4815, 78.6967, 52.0340**, and the grayscale version is **44.1278, 46.4258, 50.5577**.

A 20% lighter version of the original color is **79.3018, 80.8026, 106.0245**, and **22.9039, 21.4052, 44.5194** is the 20% darker color. If you saturate the color by 10%, you get **38.7817, 34.8905, 81.7821**, and if you desaturate by 10%, it is **58.3402, 58.4572, 85.3000**.

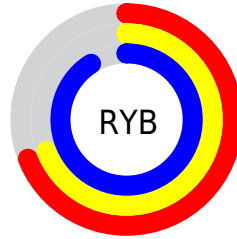
Distribution



Red (69%)

Green (69%)

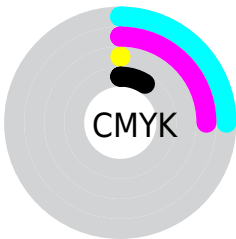
Blue (91%)



Red (69%)

Yellow (69%)

Blue (91%)

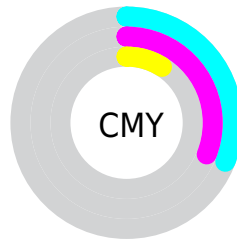


Cyan (25%)

Magenta (25%)

Yellow (0%)

Black (9%)



Cyan (31%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7171, 45.6571, 83.3885 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 47.7171, 45.6571, 83.3885 by changing the saturation by 10% instead.

■ 47.7171, 45.6571,
83.3885

■ 47.7171, 45.6571,
83.3885

368.2710,
369.4284, 526.2853

■ 33.8132, 31.9753,
61.9682

■ 85.9953, 83.7056,
139.9735

■ 22.9124, 21.3426,
44.5714

111.1003,
108.8411, 175.9754

■ 14.6491, 13.3747,
30.7795

140.6698,
138.5633, 217.6749

■ 8.6582, 7.6871,
20.1739

175.0690,
173.2565, 265.4905

■ 4.5743, 3.8954,
12.3362

214.6634,
213.3053, 319.8408

■ 2.0319, 1.6152,
6.8478

259.8183,

■ 0.6518, 0.3678,

259.0939, 381.1443

3.2901

310.8990,
311.0068, 449.8196

■ 0.0000, 0.0000,
1.2446

■ 0.0000, 0.0000,
0.0157

■ 47.7171, 45.6571,
83.3885

■ 47.7171, 45.6571,
83.3885

■ 38.7817, 34.8905,
81.7821

■ 58.3402, 58.4572,
85.3000

■ 31.4429, 26.0478,
80.4620

■ 70.7267, 73.3821,
87.5280

■ 25.6081, 19.0173,
79.4125

■ 84.9534, 90.5241,
90.0869

■ 21.1733, 13.6735,
78.6148

■ 91.7081, 98.6632,
91.3019

■ 18.0211, 9.8753,
78.0478

■ 16.0152, 7.4583,
77.6870

■ 14.9887, 6.2214,
77.5024

■ 14.7082, 5.8834,
77.4519

Harmonies

Analogous

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



42.1333, 45.6571, 86.5816



47.7171, 45.6571, 83.3885



52.4902, 45.6571, 70.3634

Triad

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



47.7171, 45.6571, 83.3885



50.1083, 45.6571, 29.0783



33.6532, 45.6571, 46.1504

Complementary

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



47.7171, 45.6571, 83.3885



70.4815, 78.6967, 52.0340

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.



35.4175, 45.6571, 33.5584



47.7171, 45.6571, 83.3885



44.6831, 45.6571, 25.1537

Square

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



47.7171, 45.6571, 83.3885



53.9508, 45.6571, 38.6637



39.3434, 45.6571, 26.5987



34.3157, 45.6571, 62.6887

Rectangle

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



47.7171, 45.6571, 83.3885



54.4120, 45.6571, 59.1058



39.3434, 45.6571, 26.5987



33.9767, 45.6571, 41.3717

Sweetspot

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



47.7186, 45.6589, 83.3895



83.3529, 85.9059, 106.7961



61.3893, 73.2208, 87.2670



17.6363, 18.1408, 22.8219



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.



47.7186, 45.6589, 83.3895



52.5454, 48.7850, 101.2547



54.6768, 49.2456, 83.7151



14.2313, 14.5490, 18.9804



8.3457, 3.3383, 43.9475



0.6553, 0.2622, 3.4509

Inverse Universe

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



56.6733, 51.0800, 47.4318



65.3464, 56.5347, 49.8522



62.0454, 74.3483, 51.6393



15.0655, 15.0541, 15.6305



19.0678, 9.8298, 0.8925



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 47.7171, 45.6571, 83.3885 looks on a white background.

Color Contrast Check

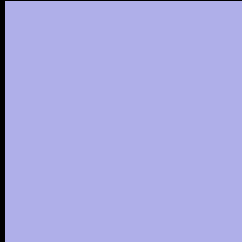
Large Text (above 18pt) WCAG AA × Fail

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 47.7171, 45.6571, 83.3885 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 47.7171, 45.6571, 83.3885

Background



This preview shows how black text looks on a background with the XYZ color 47.7171, 45.6571, 83.3885.



This preview shows how white text looks on a background with the XYZ color 47.7171, 45.6571,

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

47.7171, 45.6571, 83.3885

Protanopia

46.4328, 45.8383, 84.9977

Deuteranopia

46.7923, 45.7625, 83.4576



Tritanopia

42.8402, 45.7663, 58.8004

Trichromacy



Original Color

47.7171, 45.6571, 83.3885

Protanomaly

46.9356, 45.8198, 84.2122

Deuteranomaly

47.0279, 45.5918, 83.4123

Tritanomaly

44.4233, 45.5016, 66.7629

Monochromacy



Original Color

47.7171, 45.6571, 83.3885

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.2531, 46.0410, 61.7600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7171, 45.6571, 83.3885 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(175, 175, 233)` looks like.

```
.text, #text, p{  
    color:rgb(175, 175, 233)  
}
```

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(175, 175, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 175, 233) }
```

Border

The CSS property to change the border of an element to XYZ 47.7171, 45.6571, 83.3885 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(175, 175, 233) }
```


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

```
.border{ border-color:rgb(175, 175, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 175, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 175, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 175, 233);  
box-shadow:4px 4px 4px 4px rgb(175, 175,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7171, 45.6571, 83.3885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 175, 233) }
```

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

```
.background{ background-color: rgb(175,  
175, 233) }
```

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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