

Converting Colors

XYZ(47.5747, 45.6001, 82.6382)

Have a look what the booklet for
XYZ(47.5747, 45.6001, 82.6382)
contains.

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Color

**XYZ(47.5747, 45.6001,
82.6382)**

Conversions

Conversions Part 1

Format	Color
Hex	AFAFE8
RGB	175, 175, 232
RGB Percent	69%, 69%, 91%
CMY	0.3137, 0.3137, 0.0902
CMYK	0.25, 0.25, 0.00, 0.09
HSL	240°, 55%, 80%
HSV	240°, 25%, 91%
XYZ	47.5747, 45.6001, 82.6382
YIQ	181.4980, -18.2970, 17.7270

Conversions

Conversions Part 2

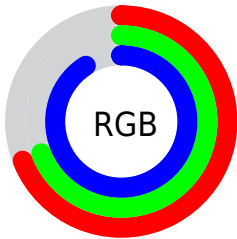
Format	Color
RYB	175, 175, 232
Decimal	11513832
CIELab	73.29, 12.14, -28.49
CIElCh	73, 30.972, 293.081
Yxy	45.6001, 0.2706, 0.2594
Android (android.graphics.Color)	4289703912 (0xFFAFAFE8)
YUV	181.4980, 24.8975, -5.6987
Hunter-Lab	67.5278, 7.5830, -25.2875

Details

The XYZ color **47.5747, 45.6001, 82.6382** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **69.8740, 77.9647, 51.9249**, and the grayscale version is **44.0682, 46.3632, 50.4895**.

A 20% lighter version of the original color is **79.3018, 80.8026, 106.0245**, and **22.8046, 21.3655, 43.9963** is the 20% darker color. If you saturate the color by 10%, you get **38.6741, 34.8755, 81.0380**, and if you desaturate by 10%, it is **58.1486, 58.3409, 84.5409**.

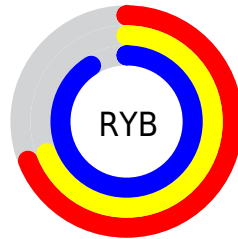
Distribution



Red (69%)

Green (69%)

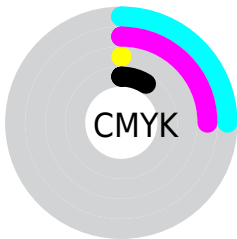
Blue (91%)



Red (69%)

Yellow (69%)

Blue (91%)

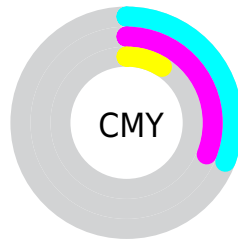


Cyan (25%)

Magenta (25%)

Yellow (0%)

Black (9%)



Cyan (31%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5747, 45.6001, 82.6382 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 47.5747, 45.6001, 82.6382 by changing the saturation by 10% instead.

■ 47.5747, 45.6001,
82.6382

■ 47.5747, 45.6001,
82.6382

367.7146,
369.1986, 523.7193

■ 33.7001, 31.9304,
61.3529

■ 85.7844, 83.6202,
138.9133

■ 22.8251, 21.3083,
44.0776

110.8501,
108.7393, 174.7402

■ 14.5844, 13.3496,
30.3939

140.3769,
138.4438, 216.2513

■ 8.6126, 7.6697,
19.8832

174.7302,
173.1178, 263.8651

■ 4.5445, 3.8843,
12.1269

214.2752,
213.1460, 318.0003

■ 2.0145, 1.6091,
6.7066

259.3774,

■ 0.6421, 0.3637,

258.9125, 379.0754

3.2036

310.4020,
310.8019, 447.5089

■ 0.0000, 0.0000,
1.1995

■ 0.0000, 0.0000,
0.0000

■ 47.5747, 45.6001,
82.6382

■ 47.5747, 45.6001,
82.6382

■ 38.6741, 34.8755,
81.0380

■ 58.1486, 58.3409,
84.5409

■ 31.3569, 26.0587,
79.7219

■ 70.4704, 73.1879,
86.7572

■ 25.5316, 19.0396,
78.6741

■ 84.6161, 90.2324,
89.3016

■ 21.0957, 13.6946,
77.8762

■ 91.5656, 98.6063,
90.5516

■ 17.9336, 9.8845,
77.3074

■ 15.9113, 7.4477,
76.9437

■ 14.8647, 6.1867,
76.7554

■ 14.5657, 5.8263,
76.7016

Harmonies

Analogous

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



42.0932, 45.6001, 85.7390



47.5747, 45.6001, 82.6382



52.2574, 45.6001, 69.9156

Triad

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



47.5747, 45.6001, 82.6382



49.9359, 45.6001, 29.3384



33.7613, 45.6001, 46.1275

Complementary

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



47.5747, 45.6001, 82.6382



69.8740, 77.9647, 51.9249

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.



35.5022, 45.6001, 33.7371



47.5747, 45.6001, 82.6382



44.6143, 45.6001, 25.4468

Square

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



47.5747, 45.6001, 82.6382



53.6984, 45.6001, 38.8042



39.3672, 45.6001, 26.8691



34.4101, 45.6001, 62.3507

Rectangle

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



47.5747, 45.6001, 82.6382



54.1435, 45.6001, 58.8926



39.3672, 45.6001, 26.8691



34.0813, 45.6001, 41.4301

Sweetspot

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



47.5762, 45.6019, 82.6392



83.3529, 85.9057, 106.7960



60.9678, 72.6005, 86.4391



17.6363, 18.1407, 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.



47.5762, 45.6019, 82.6392



53.6520, 50.1182, 101.4538



54.4030, 49.1211, 82.9587



13.5829, 13.8872, 18.1089



8.0862, 3.2345, 42.5813



0.5975, 0.2390, 3.1466

Inverse Universe

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



56.3478, 50.9124, 47.4165



66.1197, 57.6664, 51.3892



61.6210, 73.7104, 51.5388



14.3771, 14.3680, 14.9200



18.4751, 9.5242, 0.8647



1.3652, 0.7038, 0.0639

Previews

White Background



This preview shows how the XYZ color 47.5747, 45.6001, 82.6382 looks on a white background.

Color Contrast Check

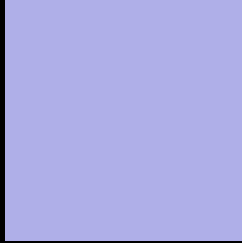
Large Text (above 18pt) WCAG AA × Fail

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 47.5747, 45.6001, 82.6382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

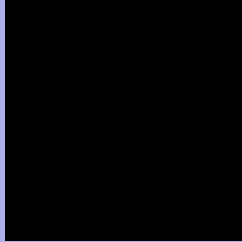
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5747, 45.6001, 82.6382

Background



This preview shows how black text looks on a background with the XYZ color 47.5747, 45.6001, 82.6382.



This preview shows how white text looks on a background with the XYZ color 47.5747, 45.6001,

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

47.5747, 45.6001, 82.6382

Protanopia

46.2887, 45.7806, 84.2388

Deuteranopia

46.8652, 45.8165, 82.7173



Tritanopia

42.8402, 45.7663, 58.8004

Trichromacy



Original Color

47.5747, 45.6001, 82.6382

Protanomaly

46.7923, 45.7625, 83.4576

Deuteranomaly

47.1041, 45.6475, 82.6721

Tritanomaly

44.4233, 45.5016, 66.7629

Monochromacy



Original Color

47.5747, 45.6001, 82.6382

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.1358, 45.9940, 61.1424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5747, 45.6001, 82.6382 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(175, 175, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 175, 232) }
```

Border

The CSS property to change the border of an element to XYZ 47.5747, 45.6001, 82.6382 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, 232) }
```


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

```
.border{ border-color:rgb(175, 175, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 175, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 175, 232);  
box-shadow:4px 4px 4px 4px rgb(175, 175,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5747, 45.6001, 82.6382 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, 232) }
```

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

```
.background{ background-color: rgb(175,  
175, 232) }
```

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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