

Converting Colors

XYZ(47.8801, 46.3241,
101.0256)

Have a look what the booklet for
XYZ(47.8801, 46.3241, 101.0256)
contains.

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Color

**XYZ(47.8750, 46.2289,
101.0075)**

Conversions

Conversions Part 1

Format	Color
Hex	9DB2FF
RGB	157, 178, 255
RGB Percent	62%, 70%, 100%
CMY	0.3843, 0.3019, 0.0000
CMYK	0.38, 0.30, 0.00, 0.00
HSL	227°, 100%, 81%
HSV	227°, 38%, 100%
XYZ	47.8750, 46.2289, 101.0075
YIQ	180.4990, -37.2330, 19.4950

Conversions

Conversions Part 2

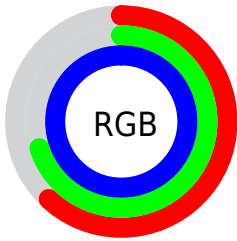
Format	Color
R_{YB}	157, 174, 255
Decimal	10334975
CIE _{Lab}	73.69, 11.21, -40.41
CIE _{LCh}	74, 41.940, 285.510
Yxy	46.2289, 0.2454, 0.2369
Android (android.graphics.Color)	4288525055 (0xFF9DB2FF)
YUV	180.4990, 36.7290, -20.6086
Hunter-Lab	67.9918, 6.7012, -40.4859

Details

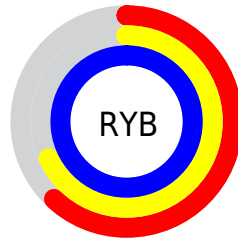
The XYZ color **47.8750, 46.2289, 101.0075** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **76.7492, 82.5406, 43.7870**, and the grayscale version is **43.4748, 45.7389, 49.8097**.

A 20% lighter version of the original color is **75.2044, 80.3618, 106.1554**, and **23.0207, 21.7656, 56.4139** is the 20% darker color. If you saturate the color by 10%, you get **39.7097, 36.5283, 99.5655**, and if you desaturate by 10%, it is **57.6637, 57.6325, 102.6927**.

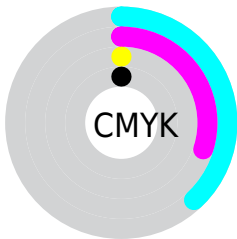
Distribution



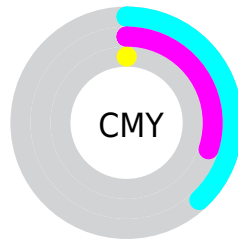
- Red (62%)
- Green (70%)
- Blue (100%)



- Red (62%)
- Yellow (68%)
- Blue (100%)



- Cyan (38%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8750, 46.2289, 101.0075 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 47.8750, 46.2289, 101.0075 by changing the saturation by 10% instead.

■ 47.8750, 46.2289,
101.0075

■ 47.8750, 46.2289,
101.0075

368.8873,
371.7281, 584.6922

■ 33.9387, 32.4265,
76.5206

■ 86.2291, 84.5615,
164.6050

■ 23.0092, 21.6875,
56.3503

■ 111.3776,
109.8604, 204.5527

■ 14.7210, 13.6274,
40.0780

140.9943,
139.7603, 250.4910

■ 8.7089, 7.8620,
27.2851

175.4445,
174.6456, 302.8387

■ 4.6074, 4.0068,
17.5531

215.0935,
214.9006, 362.0140

■ 2.0512, 1.6774,
10.4635

260.3068,

■ 0.6625, 0.4089,

260.9098, 428.4357

5.5978

311.4496,
313.0575, 502.5223

■ 0.0000, 0.0000,
2.5373

■ 0.0000, 0.0000,
0.8598

■ 47.8750, 46.2289,
101.0075

■ 47.8750, 46.2289,
101.0075

■ 39.7097, 36.5283,
99.5655

■ 57.6637, 57.6325,
102.6927

■ 33.0730, 28.4418,
98.3544

■ 69.1544, 70.8120,
104.6310

■ 27.8672, 21.8799,
97.3622

■ 82.4258, 85.8420,
106.8326

■ 23.9804, 16.7416,
96.5753

95.0500, 100.0000,
108.9000

■ 21.2830, 12.9125,
95.9784

■ 19.6026, 10.2507,
95.5532

■ 19.3993, 9.9186,
95.4998

Harmonies

Analogous

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



40.4575, 46.2289, 101.3080



47.8750, 46.2289, 101.0075



54.9499, 46.2289, 84.8344

Triad

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



47.8750, 46.2289, 101.0075



54.7412, 46.2289, 26.4083



31.4976, 46.2289, 40.7682

Complementary

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



47.8750, 46.2289, 101.0075



76.7492, 82.5406, 43.7870

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.



34.5073, 46.2289, 26.7451



47.8750, 46.2289, 101.0075



47.6151, 46.2289, 20.1850

Square

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



47.8750, 46.2289, 101.0075



59.2085, 46.2289, 40.1593



40.2252, 46.2289, 20.2878



31.5505, 46.2289, 62.0999

Rectangle

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



47.8750, 46.2289, 101.0075



58.2792, 46.2289, 69.2918



40.2252, 46.2289, 20.2878



32.1685, 46.2289, 35.1961

Sweetspot

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



47.8765, 46.2306, 101.0078



77.4785, 80.2591, 106.0157



64.4833, 84.6157, 90.6008



16.2086, 16.7545, 22.6296



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.



47.8765, 46.2306, 101.0078



41.5497, 38.7338, 99.8942



50.0597, 41.6210, 100.0030



17.3185, 18.0085, 22.8132



10.2238, 5.3572, 49.9298



1.0708, 0.6724, 4.8866

Inverse Universe

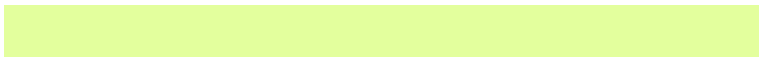
The Inverse Universe completely reimagines the original color for something new.



61.3339, 48.5898, 48.2673



56.8816, 41.9894, 39.6800



73.5987, 90.3235, 45.4553



18.1686, 18.0508, 19.5052



21.9487, 11.2688, 3.1144



2.1751, 1.1124, 0.5036

Previews

White Background



This preview shows how the XYZ color 47.8750, 46.2289, 101.0075 looks on a white background.

Color Contrast Check

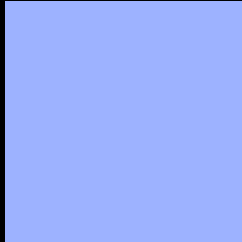
Large Text (above 18pt) WCAG AA × Fail

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 47.8750, 46.2289, 101.0075 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 47.8750, 46.2289, 101.0075

Background



This preview shows how black text looks on a background with the XYZ color 47.8750, 46.2289, 101.0075.



This preview shows how white text looks on a background with the XYZ color 47.8750, 46.2289,

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

47.8750, 46.2289, 101.0075

Protanopia

47.8750, 46.2289, 101.0075

Deuteranopia

47.4965, 46.3302, 101.0470



Tritanopia

40.2643, 46.2075, 63.2967

Trichromacy



Original Color

47.8750, 46.2289, 101.0075

Protanomaly

47.8750, 46.2289, 101.0075

Deuteranomaly

47.6877, 46.4288, 101.0560

Tritanomaly

42.7197, 45.9445, 75.7238

Monochromacy



Original Color

47.8750, 46.2289, 101.0075

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.7197, 45.9672, 66.1901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8750, 46.2289, 101.0075 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(157, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 178, 255)  
}
```

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(157, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 178, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.8750, 46.2289, 101.0075 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(157, 178, 255) }
```


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

```
.border{ border-color:rgb(157, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 178, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 178, 255); box-shadow:4px 4px 4px 4px rgb(157, 178, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8750, 46.2289, 101.0075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 178, 255) }
```

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

```
.background{ background-color: rgb(157,  
178, 255) }
```

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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