

Converting Colors

XYZ(50.4067, 46.2178,
100.8719)

Have a look what the booklet for
XYZ(50.4067, 46.2178, 100.8719)
contains.

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Color

**XYZ(50.2272, 45.9914,
100.8377)**

Conversions

Conversions Part 1

Format	Color
Hex	ADADFF
RGB	173, 173, 255
RGB Percent	68%, 68%, 100%
CMY	0.3216, 0.3216, 0.0000
CMYK	0.32, 0.32, 0.00, 0.00
HSL	240°, 100%, 84%
HSV	240°, 32%, 100%
XYZ	50.2272, 45.9914, 100.8377
YIQ	182.3480, -26.3220, 25.5020

Conversions

Conversions Part 2

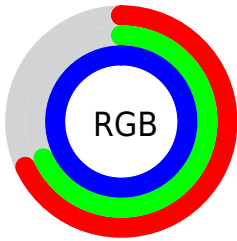
Format	Color
RYB	173, 173, 255
Decimal	11382271
CIELab	73.54, 18.29, -40.57
CIELCh	74, 44.500, 294.268
Yxy	45.9914, 0.2549, 0.2334
Android (android.graphics.Color)	4289572351 (0xFFADADFF)
YUV	182.3480, 35.8174, -8.1982
Hunter-Lab	67.8170, 13.5226, -40.6870

Details

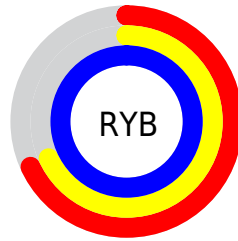
The XYZ color **50.2272, 45.9914, 100.8377** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **84.5429, 95.7972, 53.5717**, and the grayscale version is **44.4755, 46.7916, 50.9561**.

A 20% lighter version of the original color is **78.4265, 79.5298, 105.8250**, and **24.5016, 21.6035, 56.3046** is the 20% darker color. If you saturate the color by 10%, you get **40.6854, 34.4941, 99.1214**, and if you desaturate by 10%, it is **61.7810, 59.9130, 102.9159**.

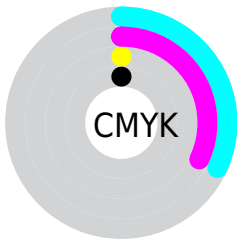
Distribution



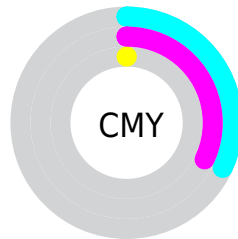
- Red (68%)
- Green (68%)
- Blue (100%)



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



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



- Cyan (32%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2272, 45.9914, 100.8377 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 50.2272, 45.9914, 100.8377 by changing the saturation by 10% instead.

■ 50.2272, 45.9914,
100.8377

■ 50.2272, 45.9914,
100.8377

377.9911,
370.7741, 584.1447

■ 35.8125, 32.2390,
76.3795

■ 89.7012, 84.2061,
164.3698

■ 24.4589, 21.5441,
56.2353

115.4913,
109.4373, 204.2808

■ 15.8009, 13.5223,
39.9863

145.8038,
139.2635, 250.1799

■ 9.4733, 7.7892,
27.2142

181.0041,
174.0691, 302.4855

■ 5.1108, 3.9604,
17.5003

221.4577,
214.2386, 361.6163

■ 2.3478, 1.6514,
10.4261

267.5298,

■ 0.8190, 0.3919,

260.1563, 427.9907

5.5731

319.5858,
312.2067, 502.0273

■ 0.0000, 0.0000,
2.5227

■ 0.0000, 0.0000,
0.8522

■ 50.2272, 45.9914,
100.8377

■ 50.2272, 45.9914,
100.8377

■ 40.6854, 34.4941,
99.1214

■ 61.7810, 59.9130,
102.9159

■ 33.0366, 25.2778,
97.7456

■ 75.4481, 76.3810,
105.3742

■ 27.1561, 18.1921,
96.6879

■ 91.3281, 95.5153,
108.2305

■ 22.9023, 13.0667,
95.9228

■ 95.0500, 100.0000,
108.9000

■ 20.1122, 9.7048,
95.4209

■ 18.5888, 7.8692,
95.1469

■ 18.0500, 7.2200,
95.0500

Harmonies

Analogous

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



42.2205, 45.9914, 106.7046



50.2272, 45.9914, 100.8377



57.1724, 45.9914, 79.8629

Triad

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



50.2272, 45.9914, 100.8377



53.1519, 45.9914, 22.5080



30.3284, 45.9914, 45.8748

Complementary

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



50.2272, 45.9914, 100.8377



84.5429, 95.7972, 53.5717

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.



32.5521, 45.9914, 28.8053



50.2272, 45.9914, 100.8377



45.2412, 45.9914, 18.1655

Square

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



50.2272, 45.9914, 100.8377



58.9977, 45.9914, 34.3040



37.7887, 45.9914, 20.0642



31.3270, 45.9914, 70.0668

Rectangle

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



50.2272, 45.9914, 100.8377



59.9427, 45.9914, 62.7603



37.7887, 45.9914, 20.0642



30.7147, 45.9914, 39.2288

Sweetspot

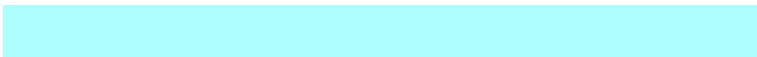
The Sweet Spot groups the original color and five complimentary colors.



50.2287, 45.9931, 100.8380



78.6808, 80.2761, 105.9557



71.0443, 87.6246, 107.7766



16.3873, 16.6358, 22.5973



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.



50.2287, 45.9931, 100.8380



43.4866, 37.8694, 99.6253



60.7263, 51.4048, 101.3292



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Inverse Universe

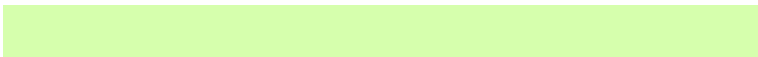
The Inverse Universe completely reimagines the original color for something new.



74.2341, 58.3684, 101.9609



71.1030, 52.1061, 100.9171



71.0352, 88.8337, 52.9395



18.7928, 18.3004, 22.7918



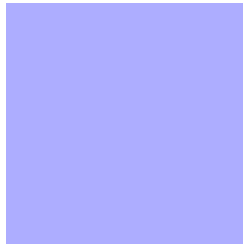
30.9802, 14.8814, 50.6734



3.0164, 1.4489, 4.9339

Previews

White Background



This preview shows how the XYZ color 50.2272, 45.9914, 100.8377 looks on a white background.

Color Contrast Check

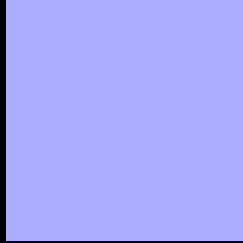
Large Text (above 18pt) WCAG AA × Fail

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 50.2272, 45.9914, 100.8377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

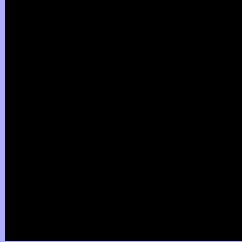
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2272, 45.9914, 100.8377

Background



This preview shows how black text looks on a background with the XYZ color 50.2272, 45.9914, 100.8377.



This preview shows how white text looks on a background with the XYZ color 50.2272, 45.9914,

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

50.2272, 45.9914, 100.8377

Protanopia

47.6807, 46.1287, 100.9984

Deuteranopia

47.5271, 46.3645, 100.2102



Tritanopia

42.1472, 45.9816, 60.6868

Trichromacy



Original Color

50.2272, 45.9914, 100.8377

Protanomaly

48.4756, 45.9521, 100.9224

Deuteranomaly

48.5118, 46.2814, 100.1423

Tritanomaly

44.6245, 45.7563, 73.4977

Monochromacy



Original Color

50.2272, 45.9914, 100.8377

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.2191, 46.4274, 66.8470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2272, 45.9914, 100.8377 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(173, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 173, 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(173, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 173, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.2272, 45.9914, 100.8377 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(173, 173, 255) }
```


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

```
.border{ border-color:rgb(173, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 173,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2272, 45.9914, 100.8377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 173, 255) }
```

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

```
.background{ background-color: rgb(173,  
173, 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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