

Converting Colors

XYZ(55.5301, 46.6525, 90.8820)

Have a look what the booklet for
XYZ(55.5301, 46.6525, 90.8820)
contains.

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Color

**XYZ(55.6452, 46.7912,
90.8928)**

Conversions

Conversions Part 1

Format	Color
Hex	D0A5F3
RGB	208, 165, 243
RGB Percent	82%, 65%, 95%
CMY	0.1843, 0.3529, 0.0471
CMYK	0.14, 0.32, 0.00, 0.05
HSL	273°, 76%, 80%
HSV	273°, 32%, 95%
XYZ	55.6452, 46.7912, 90.8928
YIQ	186.7490, 0.5900, 33.3740

Conversions

Conversions Part 2

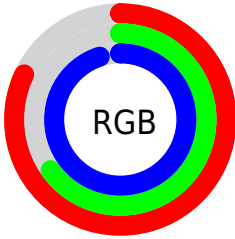
Format	Color
R _{YB}	208, 165, 243
Decimal	13673971
CIE Lab	74.06, 30.11, -33.05
CIE LCh	74, 44.705, 312.335
Yxy	46.7912, 0.2878, 0.2420
Android (android.graphics.Color)	4291864051 (0xFFD0A5F3)
YUV	186.7490, 27.7317, 18.6371
Hunter-Lab	68.4041, 25.4986, -30.8995

Details

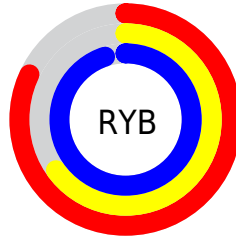
The XYZ color **55.6452, 46.7912, 90.8928** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.6630, 79.0983, 47.5641**, and the grayscale version is **46.9426, 49.3873, 53.7828**.

A 20% lighter version of the original color is **84.8832, 79.6664, 105.5111**, and **28.0116, 22.1704, 49.8167** is the 20% darker color. If you saturate the color by 10%, you get **48.7108, 37.3173, 89.4304**, and if you desaturate by 10%, it is **63.6261, 58.0429, 92.6447**.

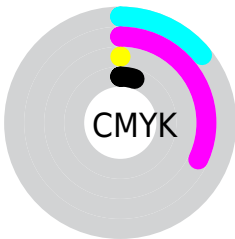
Distribution



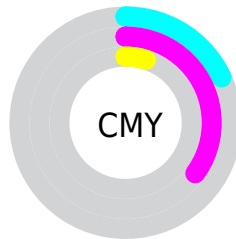
- Red (82%)
- Green (65%)
- Blue (95%)



- Red (82%)
- Yellow (65%)
- Blue (95%)



- Cyan (14%)
- Magenta (32%)
- Yellow (0%)
- Black (5%)





- Cyan (18%)
- Magenta (35%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6452, 46.7912, 90.8928 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 55.6452, 46.7912, 90.8928 by changing the saturation by 10% instead.


 55.6452, 46.7912,
90.8928


 55.6452, 46.7912,
90.8928


398.4498,
373.9805, 551.5757

 40.1544, 32.8706,
68.1435


 97.6285, 85.4019,
150.5242

 27.8437, 22.0274,
49.5471


 124.8516,
110.8607, 188.2435

 18.3477, 13.8770,
34.6850


156.7163,
140.9345, 231.7897

 11.3011, 8.0352,
23.1387

193.5879,
176.0076, 281.5816

 6.3385, 4.1175,
14.4897

235.8316,
216.4643, 338.0376

 3.0946, 1.7395,
8.3194

283.8130,

 1.2040, 0.4490,

262.6891, 401.5762

4.2093

337.8972,
315.0663, 472.6161

■ 0.1095, 0.0000,
1.7409

■ 0.0000, 0.0000,
0.3885

■ 55.6452, 46.7912,
90.8928

■ 55.6452, 46.7912,
90.8928

■ 48.7108, 37.3173,
89.4304

■ 63.6261, 58.0429,
92.6447

■ 42.7668, 29.5187,
88.2384

■ 72.6966, 71.1559,
94.6977

■ 37.7584, 23.2910,
87.3003

■ 82.9026, 86.2151,
97.0665

■ 33.6228, 18.5154,
86.5965

■ 91.9445, 98.6153,
98.9834

■ 30.2883, 15.0551,
86.1043

■ 93.1778, 99.2511,
99.0412

■ 27.6690, 12.7459,
85.7966

■ 26.0032, 11.5363,
85.6510

Harmonies

Analogous

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



47.8375, 46.7912, 107.1637



55.6452, 46.7912, 90.8928



60.7802, 46.7912, 65.5022

Triad

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



55.6452, 46.7912, 90.8928



49.3013, 46.7912, 19.4680



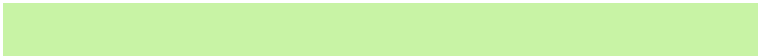
31.0882, 46.7912, 60.9385

Complementary

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



55.6452, 46.7912, 90.8928



62.6630, 79.0983, 47.5641

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.



31.3804, 46.7912, 38.7265



55.6452, 46.7912, 90.8928



41.2712, 46.7912, 18.9156

Square

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



55.6452, 46.7912, 90.8928



56.8267, 46.7912, 26.6863



34.9073, 46.7912, 24.8497



34.0545, 46.7912, 86.7021

Rectangle

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



55.6452, 46.7912, 90.8928



61.6610, 46.7912, 49.1758



34.9073, 46.7912, 24.8497



30.8196, 46.7912, 52.7615

Sweetspot

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



55.6468, 46.7931, 90.8938



83.3628, 82.6898, 106.1748



52.3738, 55.8271, 92.8101



17.5137, 17.2165, 22.6500



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.



55.6468, 46.7931, 90.8938



56.5483, 44.6029, 100.2365



66.0133, 52.2046, 88.3369



16.4546, 16.3770, 20.8364



14.4290, 6.4127, 47.0153



1.3864, 0.6246, 4.1377

Inverse Universe

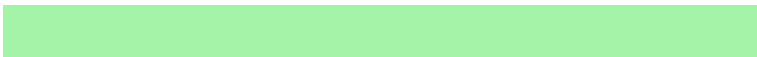
The Inverse Universe completely reimagines the original color for something new.



60.8440, 50.1369, 61.1159



63.4989, 49.0645, 60.8746



54.7212, 74.9625, 49.0740



16.8082, 16.6061, 18.7366



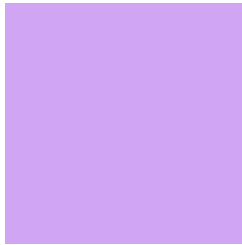
21.8680, 11.0906, 9.2793



1.9730, 0.9952, 1.0841

Previews

White Background



This preview shows how the XYZ color 55.6452, 46.7912, 90.8928 looks on a white background.

Color Contrast Check

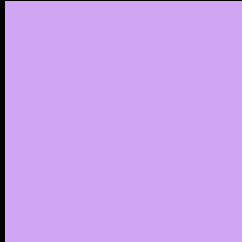
Large Text (above 18pt) WCAG AA × Fail

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 55.6452, 46.7912, 90.8928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

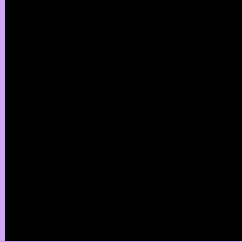
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.6452, 46.7912, 90.8928

Background



This preview shows how black text looks on a background with the XYZ color 55.6452, 46.7912, 90.8928.



This preview shows how white text looks on a background with the XYZ color 55.6452, 46.7912,

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

55.6452, 46.7912, 90.8928

Protanopia

48.7079, 47.2719, 100.3231

Deuteranopia

47.9967, 46.8563, 88.9525



Tritanopia

48.2638, 46.8669, 54.6466

Trichromacy



Original Color

55.6452, 46.7912, 90.8928



Protanomaly

50.7168, 46.9092, 96.8238



Deuteranomaly

50.5417, 46.6903, 89.5674



Tritanomaly

50.6183, 46.6651, 66.6610

Monochromacy



Original Color

55.6452, 46.7912, 90.8928



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

49.8883, 48.3473, 65.7340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6452, 46.7912, 90.8928 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(208, 165, 243)` looks like.

```
.text, #text, p{  
    color:rgb(208, 165, 243)  
}
```

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(208, 165, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 165, 243) }
```

Border

The CSS property to change the border of an element to XYZ 55.6452, 46.7912, 90.8928 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(208, 165, 243) }
```


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

```
.border{ border-color:rgb(208, 165, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 165, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 165, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 165, 243);  
box-shadow:4px 4px 4px 4px rgb(208, 165,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6452, 46.7912, 90.8928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 165, 243) }
```

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

```
.background{ background-color: rgb(208,  
165, 243) }
```

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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