

Converting Colors

XYZ(58.4852, 48.7578, 93.2005)

Have a look what the booklet for
XYZ(58.4852, 48.7578, 93.2005)
contains.

XYZ(58.4776, 48.7383, 93.5141)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.4776, 48.7383,
93.5141)**

Conversions

Conversions Part 1

Format	Color
Hex	D7A7F6
RGB	215, 167, 246
RGB Percent	84%, 65%, 96%
CMY	0.1569, 0.3451, 0.0353
CMYK	0.13, 0.32, 0.00, 0.04
HSL	276°, 81%, 81%
HSV	276°, 32%, 96%
XYZ	58.4776, 48.7383, 93.5141
YIQ	190.3580, 3.2490, 34.7450

Conversions

Conversions Part 2

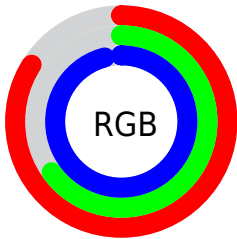
Format	Color
R _Y B	215, 167, 246
Decimal	14133238
CIE Lab	75.29, 31.78, -32.72
CIE LCh	75, 45.607, 314.165
Yxy	48.7383, 0.2913, 0.2428
Android (android.graphics.Color)	4292323318 (0xFFD7A7F6)
YUV	190.3580, 27.4315, 21.6110
Hunter-Lab	69.8128, 27.3453, -30.5498

Details

The XYZ color **58.4776, 48.7383, 93.5141** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.2210, 80.7085, 48.8075**, and the grayscale version is **48.9967, 51.5483, 56.1361**.

A 20% lighter version of the original color is **85.6777, 81.2554, 105.7759**, and **29.5007, 23.0797, 51.0441** is the 20% darker color. If you saturate the color by 10%, you get **51.6412, 39.1492, 92.0243**, and if you desaturate by 10%, it is **66.3416, 60.1319, 95.2996**.

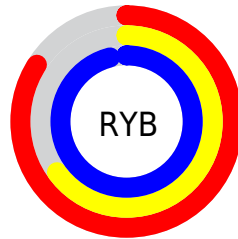
Distribution



Red (84%)

Green (65%)

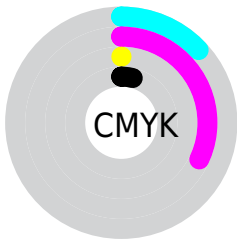
Blue (96%)



Red (84%)

Yellow (65%)

Blue (96%)

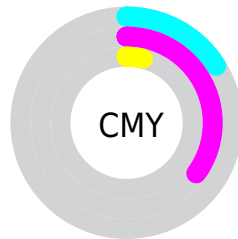


Cyan (13%)

Magenta (32%)

Yellow (0%)

Black (4%)



Cyan (16%)


Magenta (35%)


Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4776, 48.7383, 93.5141 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 58.4776, 48.7383, 93.5141 by changing the saturation by 10% instead.


 58.4776, 48.7383,
93.5141


 58.4776, 48.7383,
93.5141


408.8885,
381.7112, 560.2594

 42.4375, 34.4119,
70.3088

 101.7370, 88.3026,
154.1880

 29.6366, 23.2102,
51.3000


 129.6870,
114.3094, 192.4938

 19.7096, 14.7488,
36.0690


162.3377,
144.9784, 236.6701

 12.2912, 8.6433,
24.1974

200.0544,
180.6941, 287.1356

 7.0159, 4.5093,
15.2666

243.2024,
221.8408, 344.3087

 3.5185, 1.9623,
8.8580

292.1472,

 1.4335, 0.5854,

268.8030, 408.6080

4.5531

347.2541,
321.9649, 480.4520

■ 0.2799, 0.0000,
1.9334

■ 0.0000, 0.0000,
0.5139

■ 58.4776, 48.7383,
93.5141

■ 58.4776, 48.7383,
93.5141

■ 51.6412, 39.1492,
92.0243

■ 66.3416, 60.1319,
95.2996

■ 45.7760, 31.2597,
90.8106

■ 75.2761, 73.4152,
97.3926

■ 40.8271, 24.9629,
89.8560

■ 85.3272, 88.6752,
99.8083

■ 36.7312, 20.1371,
89.1404

■ 93.1270, 99.1722,
101.4234

■ 33.4162, 16.6423,
88.6406

■ 93.6347, 99.4339,
101.4471

■ 30.7953, 14.3099,
88.3285

■ 29.1148, 13.0876,
88.1812

Harmonies

Analogous

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



50.3789, 48.7383, 111.5396



58.4776, 48.7383, 93.5141



63.6129, 48.7383, 66.6769

Triad

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



58.4776, 48.7383, 93.5141



50.8600, 48.7383, 19.9094



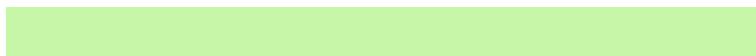
32.3958, 48.7383, 65.1761

Complementary

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



58.4776, 48.7383, 93.5141



63.2210, 80.7085, 48.8075

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.



32.4916, 48.7383, 41.4491



58.4776, 48.7383, 93.5141



42.4932, 48.7383, 19.7289

Square

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



58.4776, 48.7383, 93.5141



58.8662, 48.7383, 26.9790



35.9835, 48.7383, 26.3780



35.7038, 48.7383, 92.1339

Rectangle

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



58.4776, 48.7383, 93.5141



64.3181, 48.7383, 49.7873



35.9835, 48.7383, 26.3780



32.0447, 48.7383, 56.4892

Sweetspot

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



58.4792, 48.7403, 93.5152



83.8618, 82.9471, 106.1981



52.9042, 55.5342, 95.1204



17.6346, 17.2788, 22.6556



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.



58.4792, 48.7403, 93.5152



58.1747, 45.4413, 100.3127



67.2734, 53.4110, 87.7306



16.5475, 16.4249, 20.8407



15.7023, 7.0691, 47.0749



1.4953, 0.6807, 4.1428

Inverse Universe

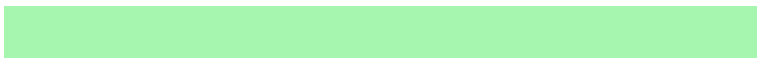
The Inverse Universe completely reimagines the original color for something new.



62.0193, 51.3094, 60.0629



62.8554, 48.8071, 57.4859



56.6218, 77.2195, 52.4286



16.7684, 16.5902, 18.5269



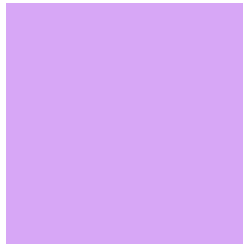
21.4903, 10.9396, 7.2903



1.9378, 0.9811, 0.8986

Previews

White Background



This preview shows how the XYZ color 58.4776, 48.7383, 93.5141 looks on a white background.

Color Contrast Check

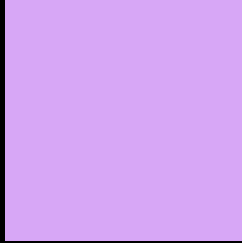
Large Text (above 18pt) WCAG AA × Fail

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 58.4776, 48.7383, 93.5141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

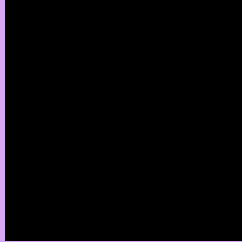
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.4776, 48.7383, 93.5141

Background



This preview shows how black text looks on a background with the XYZ color 58.4776, 48.7383, 93.5141.



This preview shows how white text looks on a background with the XYZ color 58.4776, 48.7383,

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

58.4776, 48.7383, 93.5141

Protanopia

50.2933, 48.9795, 101.4110

Deuteranopia

50.3447, 49.2223, 91.6414



Tritanopia

50.8884, 48.7684, 56.6003

Trichromacy



Original Color

58.4776, 48.7383, 93.5141

Protanomaly

52.8213, 48.5398, 98.6806

Deuteranomaly

52.7903, 48.6673, 92.1993

Tritanomaly

53.3142, 48.5809, 68.8544

Monochromacy



Original Color

58.4776, 48.7383, 93.5141

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

51.9140, 50.2512, 67.9360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4776, 48.7383, 93.5141 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(215, 167, 246)` looks like.

```
.text, #text, p{  
    color:rgb(215, 167, 246)  
}
```

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(215, 167, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 167, 246) }
```

Border

The CSS property to change the border of an element to XYZ 58.4776, 48.7383, 93.5141 is called "border". The border property can be set on classes, ids or directly on the HTML element.

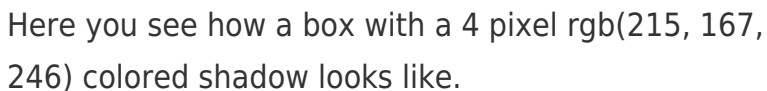
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 167, 246) }
```


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

```
.border{ border-color:rgb(215, 167, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 167, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 167, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 167, 246); box-shadow:4px 4px 4px 4px rgb(215, 167, 246) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4776, 48.7383, 93.5141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 167, 246) }
```

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

```
.background{ background-color: rgb(215,  
167, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor