

Converting Colors

XYZ(58.5191, 45.2367,
100.2550)

Have a look what the booklet for
XYZ(58.5191, 45.2367, 100.2550)
contains.

XYZ(58.5190, 45.2366, 100.2550)	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(58.5190, 45.2366,
100.2550)**

Conversions

Conversions Part 1

Format	Color
Hex	DA9AFF
RGB	218, 154, 255
RGB Percent	85%, 60%, 100%
CMY	0.1451, 0.3961, 0.0000
CMYK	0.15, 0.40, 0.00, 0.00
HSL	278°, 100%, 80%
HSV	278°, 40%, 100%
XYZ	58.5190, 45.2366, 100.2550
YIQ	184.6500, 5.7230, 44.9790

Conversions

Conversions Part 2

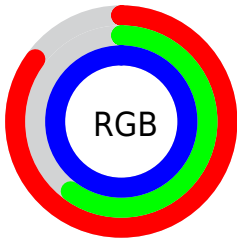
Format	Color
R _Y B	218, 154, 255
Decimal	14326527
CIE _{Lab}	73.05, 41.53, -41.04
CIE _{LCh}	73, 58.391, 315.342
Y _{xy}	45.2366, 0.2868, 0.2217
Android (android.graphics.Color)	4292516607 (0xFFDA9AFF)
YUV	184.6500, 34.6826, 29.2480
Hunter-Lab	67.2582, 37.6049, -41.2970

Details

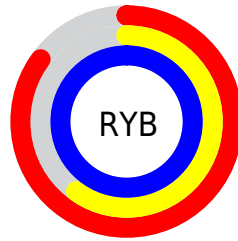
The XYZ color **58.5190, 45.2366, 100.2550** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.0795, 84.9299, 43.6422**, and the grayscale version is **45.7325, 48.1142, 52.3964**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **29.5447, 20.9616, 55.9149** is the 20% darker color. If you saturate the color by 10%, you get **52.0338, 36.2961, 98.8711**, and if you desaturate by 10%, it is **66.0584, 56.0496, 101.9447**.

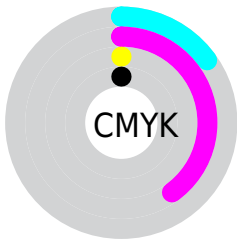
Distribution



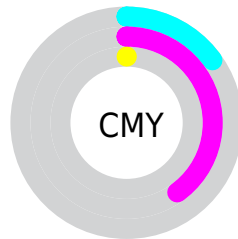
- Red (85%)
- Green (60%)
- Blue (100%)



- Red (85%)
- Yellow (60%)
- Blue (100%)



- Cyan (15%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5190, 45.2366, 100.2550 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 58.5190, 45.2366, 100.2550 by changing the saturation by 10% instead.


 58.5190, 45.2366,
100.2550


 58.5190, 45.2366,
100.2550


409.0398,
367.7310, 582.2636

 42.4709, 31.6438,
75.8954


 101.7969, 83.0753,
163.5625

 29.6629, 21.0896,
55.8406


 129.7574,
108.0901, 203.3475

 19.7297, 13.1895,
39.6720

162.4194,
137.6810, 249.1115

 12.3058, 7.5592,
26.9711

200.1483,
172.2324, 301.2728

 7.0260, 3.8142,
17.3193

243.3095,
212.1287, 360.2502

 3.5248, 1.5702,
10.2980

292.2682,

 1.4370, 0.3374,

257.7543, 426.4621

5.4888

347.3899,
309.4936, 500.3270

■ 0.2824, 0.0000,
2.4731

■ 0.0000, 0.0000,
0.8259

■ 58.5190, 45.2366,
100.2550

■ 58.5190, 45.2366,
100.2550

■ 52.0338, 36.2961,
98.8711

■ 66.0584, 56.0496,
101.9447

■ 46.5387, 29.1072,
97.7731

■ 74.7024, 68.8351,
103.9570

■ 41.9690, 23.5429,
96.9400

■ 84.5027, 83.6924,
106.3082

■ 38.2491, 19.4563,
96.3472

95.0500, 100.0000,
108.9000

■ 35.2896, 16.6724,
95.9659

■ 32.9518, 14.9183,
95.7505

■ 32.8663, 14.8581,
95.7434

Harmonies

Analogous

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



48.3997, 45.2366, 125.7578



58.5190, 45.2366, 100.2550



64.9113, 45.2366, 64.8881

Triad

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



58.5190, 45.2366, 100.2550



48.1551, 45.2366, 12.4370



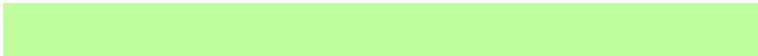
26.7130, 45.2366, 65.6706

Complementary

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



58.5190, 45.2366, 100.2550



63.0795, 84.9299, 43.6422

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.



26.6688, 45.2366, 36.3590



58.5190, 45.2366, 100.2550



38.0103, 45.2366, 12.5066

Square

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



58.5190, 45.2366, 100.2550



58.3157, 45.2366, 19.1193



30.4939, 45.2366, 19.3730



30.6259, 45.2366, 101.0194

Rectangle

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



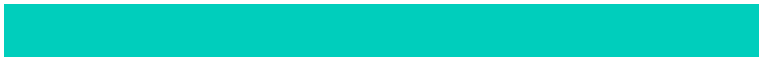
58.5190, 45.2366, 100.2550



65.6423, 45.2366, 44.2057



30.4939, 45.2366, 19.3730



26.2684, 45.2366, 54.6748

Sweetspot

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



58.5204, 45.2384, 100.2553



82.0488, 79.9422, 105.7137



50.0159, 51.3678, 101.8866



17.2814, 16.6840, 22.5595



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.



58.5204, 45.2384, 100.2553



53.0071, 37.6110, 99.0736



68.7534, 50.7555, 89.8109



18.1097, 17.9483, 22.7598



17.3432, 7.8512, 50.0359



1.8089, 0.8264, 4.8774

Inverse Universe

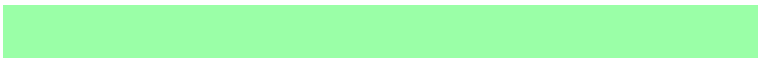
The Inverse Universe completely reimagines the original color for something new.



62.2005, 48.1343, 55.3040



57.5525, 41.1176, 46.7278



56.1059, 81.1979, 49.5033



18.2844, 18.0971, 20.1149



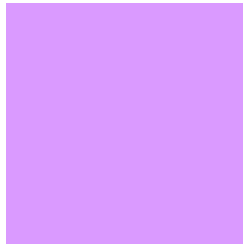
22.6562, 11.5518, 6.8400



2.2564, 1.1449, 0.9314

Previews

White Background



This preview shows how the XYZ color 58.5190, 45.2366, 100.2550 looks on a white background.

Color Contrast Check

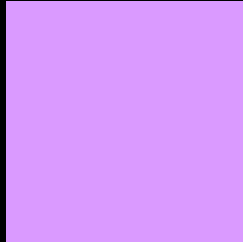
Large Text (above 18pt) WCAG AA × Fail

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 58.5190, 45.2366, 100.2550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

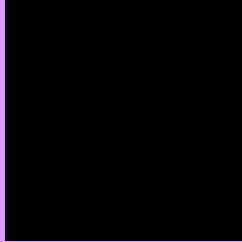
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.5190, 45.2366, 100.2550

Background



This preview shows how black text looks on a background with the XYZ color 58.5190, 45.2366, 100.2550.



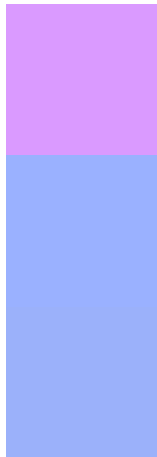
This preview shows how white text looks on a background with the XYZ color 58.5190, 45.2366,

100.2550.

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

58.5190, 45.2366, 100.2550

Protanopia

47.0986, 45.5343, 100.9144

Deuteranopia

46.4950, 45.3150, 96.7386



Tritanopia

48.4673, 45.0602, 50.9427

Trichromacy



Original Color

58.5190, 45.2366, 100.2550



Protanomaly

50.3694, 44.9430, 100.6279



Deuteranomaly

50.1188, 44.8692, 98.1145

Tritanomaly

51.6481, 45.0033, 66.2859

Monochromacy



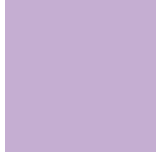
Original Color

58.5190, 45.2366, 100.2550



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

49.7949, 46.7956, 67.3807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5190, 45.2366, 100.2550 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(218, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 154, 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(218, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 154, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.5190, 45.2366, 100.2550 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(218, 154, 255) }
```


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

```
.border{ border-color:rgb(218, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 154,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5190, 45.2366, 100.2550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 154, 255) }
```

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

```
.background{ background-color: rgb(218,  
154, 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](#).

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