

Converting Colors

XYZ(58.1367, 46.3162, 92.0079)

Have a look what the booklet for
XYZ(58.1367, 46.3162, 92.0079)
contains.

XYZ(58.2235, 46.2619, 92.2469)	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(58.2235, 46.2619,
92.2469)**

Conversions

Conversions Part 1

Format	Color
Hex	DC9EF5
RGB	220, 158, 245
RGB Percent	86%, 62%, 96%
CMY	0.1372, 0.3804, 0.0392
CMYK	0.10, 0.36, 0.00, 0.04
HSL	283°, 81%, 79%
HSV	283°, 36%, 96%
XYZ	58.2235, 46.2619, 92.2469
YIQ	186.4560, 9.0250, 40.2010

Conversions

Conversions Part 2

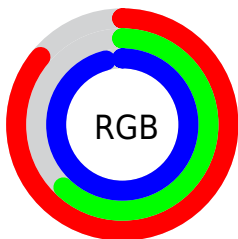
Format	Color
R _Y B	220, 158, 245
Decimal	14458613
CIE Lab	73.72, 37.94, -34.56
CIE LCh	74, 51.324, 317.664
Yxy	46.2619, 0.2960, 0.2352
Android (android.graphics.Color)	4292648693 (0xFFDC9EF5)
YUV	186.4560, 28.8622, 29.4181
Hunter-Lab	68.0161, 33.7723, -32.8008

Details

The XYZ color **58.2235, 46.2619, 92.2469** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **58.3538, 77.8418, 44.2992**, and the grayscale version is **46.7687, 49.2043, 53.5835**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **29.4385, 21.6265, 50.1997** is the 20% darker color. If you saturate the color by 10%, you get **52.3679, 37.6466, 90.8933**, and if you desaturate by 10%, it is **65.0050, 56.5933, 93.8844**.

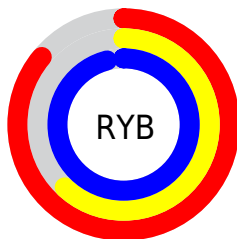
Distribution



Red (86%)

Green (62%)

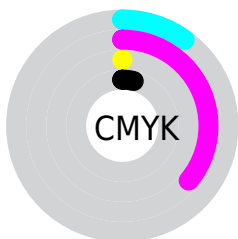
Blue (96%)



Red (86%)

Yellow (62%)

Blue (96%)

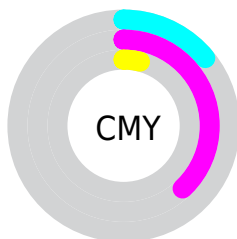


Cyan (10%)

Magenta (36%)

Yellow (0%)

Black (4%)



Cyan (14%)


Magenta (38%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2235, 46.2619, 92.2469 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 58.2235, 46.2619, 92.2469 by changing the saturation by 10% instead.


 58.2235, 46.2619,
92.2469


 58.2235, 46.2619,
92.2469


407.9587,
371.8606, 556.0707

 42.2323, 32.4525,
69.2615


 101.3694, 84.6108,
152.4182

 29.4751, 21.7074,
50.4517


 129.2547,
109.9192, 190.4412

 19.5866, 13.6421,
35.3987


161.8355,
139.8293, 234.3139

 12.2014, 7.8721,
23.6842

199.4772,
174.7256, 284.4548

 6.9542, 4.0132,
14.8895

242.5449,
214.9925, 341.2823

 3.4795, 1.6810,
8.5961

291.4042,

 1.4121, 0.4113,

261.0144, 405.2151

4.3855

346.4203,
313.1756, 476.6718

■ 0.2648, 0.0000,
1.8391

■ 0.0000, 0.0000,
0.4536

■ 58.2235, 46.2619,
92.2469

■ 58.2235, 46.2619,
92.2469

■ 52.3679, 37.6466,
90.8933

■ 65.0050, 56.5933,
93.8844

■ 47.3826, 30.6415,
89.8039

■ 72.7543, 68.7269,
95.8179

■ 43.2130, 25.1378,
88.9614

■ 81.5165, 82.7498,
98.0628

■ 39.7958, 21.0106,
88.3449

■ 91.0107, 98.0989,
100.5251

■ 37.0572, 18.1142,
87.9301

■ 93.4816, 99.3726,
100.6407

■ 34.9066, 16.2688,
87.6873

■ 34.0709, 15.6603,
87.6139

Harmonies

Analogous

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



49.4999, 46.2619, 114.8437



58.2235, 46.2619, 92.2469



63.3872, 46.2619, 61.8603

Triad

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



58.2235, 46.2619, 92.2469



47.8178, 46.2619, 15.5507



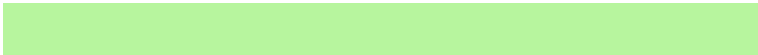
29.3093, 46.2619, 67.1692

Complementary

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



58.2235, 46.2619, 92.2469



58.3538, 77.8418, 44.2992

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.



28.9890, 46.2619, 40.4010



58.2235, 46.2619, 92.2469



38.8691, 46.2619, 16.1084

Square

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



58.2235, 46.2619, 92.2469



56.8466, 46.2619, 21.6548



32.2570, 46.2619, 23.5872



33.2023, 46.2619, 97.2695

Rectangle

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



58.2235, 46.2619, 92.2469



63.7039, 46.2619, 43.9756



32.2570, 46.2619, 23.5872



28.8017, 46.2619, 57.3589

Sweetspot

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



58.2251, 46.2639, 92.2479



83.8419, 81.8940, 105.9959



47.7450, 48.1861, 93.1713



17.6705, 17.0895, 22.6172



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.



58.2251, 46.2639, 92.2479



58.8121, 43.3441, 99.8743



63.8324, 49.4472, 79.2891



16.7226, 16.5151, 20.8489



18.4980, 8.5104, 47.2057



1.7269, 0.8001, 4.1537

Inverse Universe

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



58.4317, 47.2869, 50.8490



59.3406, 44.7866, 47.0380



54.5317, 75.6859, 52.5004



16.6949, 16.5608, 18.1401



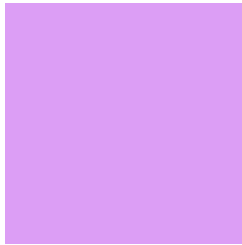
20.9401, 10.7195, 4.3930



1.8830, 0.9592, 0.6102

Previews

White Background



This preview shows how the XYZ color 58.2235, 46.2619, 92.2469 looks on a white background.

Color Contrast Check

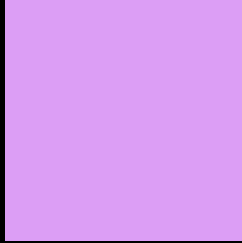
Large Text (above 18pt) WCAG AA × Fail

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 58.2235, 46.2619, 92.2469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

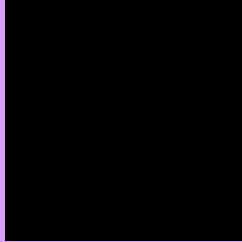
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.2235, 46.2619, 92.2469

Background



This preview shows how black text looks on a background with the XYZ color 58.2235, 46.2619, 92.2469.



This preview shows how white text looks on a background with the XYZ color 58.2235, 46.2619,

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

58.2235, 46.2619, 92.2469

Protanopia

48.2707, 46.7293, 101.0833

Deuteranopia

47.7232, 46.6981, 89.7174



Tritanopia

50.0786, 46.4354, 51.6709

Trichromacy



Original Color

58.2235, 46.2619, 92.2469



Protanomaly

51.0316, 45.9146, 97.4395



Deuteranomaly

50.8396, 45.9757, 90.1991



Tritanomaly

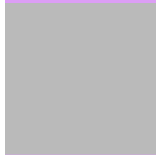
52.5084, 46.0248, 64.5087

Monochromacy



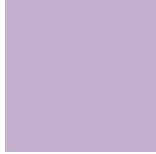
Original Color

58.2235, 46.2619, 92.2469



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

50.0765, 47.5614, 65.5724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2235, 46.2619, 92.2469 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(220, 158, 245)` looks like.

```
.text, #text, p{  
    color:rgb(220, 158, 245)  
}
```

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(220, 158, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 158, 245) }
```

Border

The CSS property to change the border of an element to XYZ 58.2235, 46.2619, 92.2469 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(220, 158, 245) }
```


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

```
.border{ border-color:rgb(220, 158, 245) }
```

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

Here you see how a box with a 4 pixel rgb(220, 158, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 158, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 158, 245);  
box-shadow:4px 4px 4px 4px rgb(220, 158,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2235, 46.2619, 92.2469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 158, 245) }
```

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

```
.background{ background-color: rgb(220,  
158, 245) }
```

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