

Converting Colors

XYZ(50.7847, 35.7298, 79.3205)

Have a look what the booklet for
XYZ(50.7847, 35.7298, 79.3205)
contains.

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Color

**XYZ(50.7857, 35.7973,
79.0958)**

Conversions

Conversions Part 1

Format	Color
Hex	DA7FE6
RGB	218, 127, 230
RGB Percent	85%, 50%, 90%
CMY	0.1451, 0.5019, 0.0980
CMYK	0.05, 0.45, 0.00, 0.10
HSL	293°, 67%, 70%
HSV	293°, 45%, 90%
XYZ	50.7857, 35.7973, 79.0958
YIQ	165.9510, 21.1730, 51.3250

Conversions

Conversions Part 2

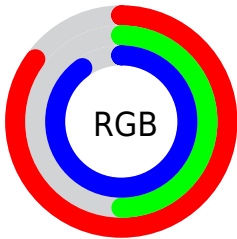
Format	Color
R _Y B	218, 127, 230
Decimal	14319590
CIE _{Lab}	66.36, 50.71, -37.78
CIE _{LCh}	66, 63.236, 323.313
Yxy	35.7973, 0.3065, 0.2161
Android (android.graphics.Color)	4292509670 (0xFFDA7FE6)
YUV	165.9510, 31.5762, 45.6470
Hunter-Lab	59.8308, 46.8106, -36.4992

Details

The XYZ color **50.7857, 35.7973, 79.0958** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **42.7762, 63.6158, 30.1048**, and the grayscale version is **36.0681, 37.9465, 41.3237**.

A 20% lighter version of the original color is **76.0179, 61.9359, 102.5560**, and **24.7867, 15.5306, 41.7357** is the 20% darker color. If you saturate the color by 10%, you get **47.3528, 30.1107, 78.1796**, and if you desaturate by 10%, it is **54.9119, 42.8496, 80.2401**.

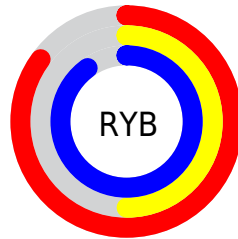
Distribution



Red (85%)

Green (50%)

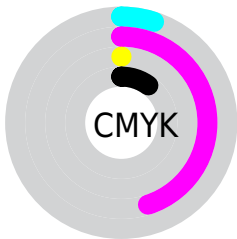
Blue (90%)



Red (85%)

Yellow (50%)

Blue (90%)

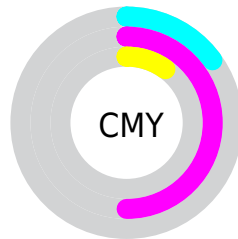


Cyan (5%)

Magenta (45%)

Yellow (0%)

Black (10%)



Cyan (15%)


Magenta (50%)


Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7857, 35.7973, 79.0958 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 50.7857, 35.7973, 79.0958 by changing the saturation by 10% instead.


 50.7857, 35.7973,
79.0958


 50.7857, 35.7973,
79.0958

380.1320,
328.0737, 511.5066


 36.2584, 24.2777,
58.4528


 90.5228, 68.7191,
133.8936

 24.8049, 15.5397,
41.7557


 116.4633, 90.8901,
168.8855

 16.0597, 9.1991,
28.5859


 146.9390,
117.3803, 209.4974

 9.6575, 4.8712,
18.5249

182.3152,
148.5741, 256.1479

 5.2330, 2.1719,
11.1542

222.9572,
184.8560, 309.2555

 2.4208, 0.7046,
6.0551

269.2305,

 0.8555, 0.0000,

226.6103, 369.2388

2.8093

321.5003,
274.2214, 436.5163

■ 0.0000, 0.0000,
0.9981

■ 0.0000, 0.0000,
0.0000

■ 50.7857, 35.7973,
79.0958

■ 50.7857, 35.7973,
79.0958

■ 47.3528, 30.1107,
78.1796

■ 54.9119, 42.8496,
80.2401

■ 44.5628, 25.6915,
77.4737


■ 59.7702, 51.3476,
81.6243

■ 42.3641, 22.4360,
76.9612


■ 65.4007, 61.3706,
83.2622


■ 40.6956, 20.2218,
76.6218


■ 71.8396, 72.9908,
85.1657


 39.4823, 18.8991,
76.4304


 79.1207, 86.2760,
87.3463

 38.9676, 18.4386,
76.3686

 84.0006, 94.7390,
88.7226

 84.8874, 95.1962,
88.7641

 85.7877, 95.6602,
88.8062

 86.7013, 96.1312,
88.8490

Harmonies

Analogous

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



41.7387, 35.7973, 109.0164



50.7857, 35.7973, 79.0958



55.4647, 35.7973, 45.3601

Triad

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



50.7857, 35.7973, 79.0958



36.1855, 35.7973, 6.7621



19.9097, 35.7973, 63.4290

Complementary

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



50.7857, 35.7973, 79.0958



42.7762, 63.6158, 30.1048

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.



18.9729, 35.7973, 33.2230



50.7857, 35.7973, 79.0958



27.3242, 35.7973, 8.0481

Square

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



50.7857, 35.7973, 79.0958



46.0834, 35.7973, 10.3575



21.4279, 35.7973, 15.4108



24.2770, 35.7973, 97.4178

Rectangle

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



50.7857, 35.7973, 79.0958



54.9608, 35.7973, 28.1744



21.4279, 35.7973, 15.4108



19.2212, 35.7973, 52.2389

Sweetspot

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



50.7869, 35.7989, 79.0966



83.9648, 79.9178, 105.6080



32.2718, 28.6969, 78.7016



17.6070, 16.4509, 22.4973



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.



50.7869, 35.7989, 79.0966



60.0287, 38.3560, 98.8473



49.5745, 35.7435, 53.2994



14.8211, 14.5255, 18.1669



22.1287, 10.4737, 43.2385



1.6823, 0.7982, 3.1974

Inverse Universe

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



44.8838, 33.8673, 28.5990



51.8936, 35.7555, 26.4809



43.9778, 63.8775, 46.3226



14.4449, 14.3952, 15.2775



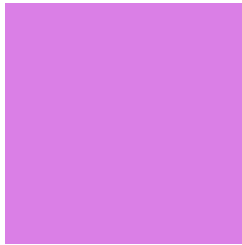
18.6085, 9.5776, 1.5674



1.3978, 0.7168, 0.2353

Previews

White Background



This preview shows how the XYZ color 50.7857, 35.7973, 79.0958 looks on a white background.

Color Contrast Check

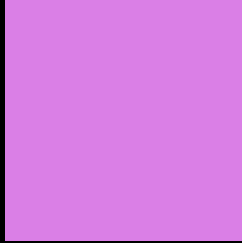
Large Text (above 18pt) WCAG AA × Fail

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 50.7857, 35.7973, 79.0958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

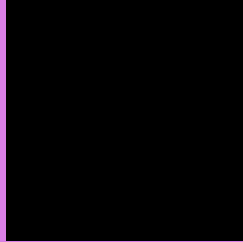
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7857, 35.7973, 79.0958

Background



This preview shows how black text looks on a background with the XYZ color 50.7857, 35.7973, 79.0958.



This preview shows how white text looks on a background with the XYZ color 50.7857, 35.7973,

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

50.7857, 35.7973, 79.0958

Protanopia

39.0523, 36.4519, 99.5854

Deuteranopia

37.0099, 36.1862, 75.5550



Tritanopia

41.9021, 35.7230, 35.6971

Trichromacy



Original Color

50.7857, 35.7973, 79.0958



Protanomaly

41.3663, 34.8922, 91.7434



Deuteranomaly

40.6796, 35.1058, 76.5836



Tritanomaly

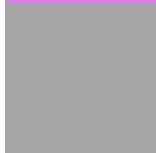
44.6834, 35.5514, 48.7630

Monochromacy



Original Color

50.7857, 35.7973, 79.0958



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

40.4211, 36.4449, 53.0483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7857, 35.7973, 79.0958 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, 127, 230)` looks like.

```
.text, #text, p{  
    color:rgb(218, 127, 230)  
}
```

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, 127, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 127, 230) }
```

Border

The CSS property to change the border of an element to XYZ 50.7857, 35.7973, 79.0958 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, 127, 230) }
```


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

```
.border{ border-color:rgb(218, 127, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 127, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 127, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 127, 230);  
box-shadow:4px 4px 4px 4px rgb(218, 127,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7857, 35.7973, 79.0958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 127, 230) }
```

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

```
.background{ background-color: rgb(218,  
127, 230) }
```

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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