

Converting Colors

XYZ(51.1470, 35.4552, 84.4617)

Have a look what the booklet for
XYZ(51.1470, 35.4552, 84.4617)
contains.

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Color

**XYZ(51.2349, 35.5334,
84.2790)**

Conversions

Conversions Part 1

Format	Color
Hex	D97DED
RGB	217, 125, 237
RGB Percent	85%, 49%, 93%
CMY	0.1490, 0.5098, 0.0706
CMYK	0.08, 0.47, 0.00, 0.07
HSL	289°, 76%, 71%
HSV	289°, 47%, 93%
XYZ	51.2349, 35.5334, 84.2790
YIQ	165.2760, 18.8800, 54.3360

Conversions

Conversions Part 2

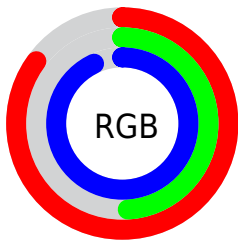
Format	Color
R_{YB}	217, 125, 237
Decimal	14253549
CIE _{Lab}	66.16, 52.78, -41.97
CIE _{LCh}	66, 67.434, 321.504
Yxy	35.5334, 0.2995, 0.2077
Android (android.graphics.Color)	4292443629 (0xFFD97DED)
YUV	165.2760, 35.3599, 45.3619
Hunter-Lab	59.6099, 49.1040, -42.0998

Details

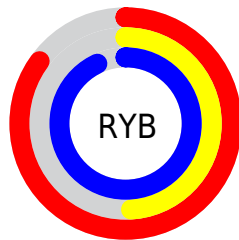
The XYZ color **51.2349, 35.5334, 84.2790** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **45.6641, 68.0697, 30.1357**, and the grayscale version is **35.7271, 37.5876, 40.9329**.

A 20% lighter version of the original color is **75.6113, 61.1225, 102.4204**, and **25.1551, 15.4445, 45.3713** is the 20% darker color. If you saturate the color by 10%, you get **47.3433, 29.5928, 83.3380**, and if you desaturate by 10%, it is **55.8770, 42.9250, 85.4616**.

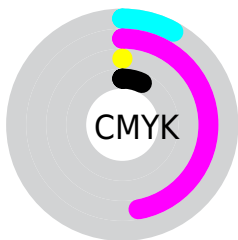
Distribution



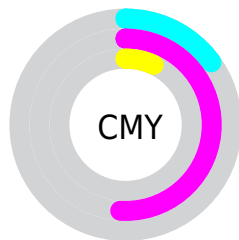
- Red (85%)
- Green (49%)
- Blue (93%)



- Red (85%)
- Yellow (49%)
- Blue (93%)



- Cyan (8%)
- Magenta (47%)
- Yellow (0%)
- Black (7%)





- Cyan (15%)
- Magenta (51%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2349, 35.5334, 84.2790 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 51.2349, 35.5334, 84.2790 by changing the saturation by 10% instead.


 51.2349, 35.5334,
84.2790


 51.2349, 35.5334,
84.2790

381.8484,
326.9165, 529.3215


 36.6174, 24.0740,
62.6991


 91.1828, 68.3113,
141.2306

 25.0837, 15.3886,
45.1584


 117.2439, 90.3986,
177.4394

 16.2685, 9.0925,
31.2383

 147.8503,
116.7973, 219.3615

 9.8064, 4.8016,
20.5204

183.3673,
147.8919, 267.4155

 5.3321, 2.1313,
12.5861

224.1602,
184.0667, 322.0200

 2.4801, 0.6822,
7.0168

270.5945,

 0.8852, 0.0000,

225.7062, 383.5935

3.3940

323.0354,
273.1946, 452.5544

■ 0.0000, 0.0000,
1.2992

■ 0.0000, 0.0000,
0.0611

■ 51.2349, 35.5334,
84.2790

■ 51.2349, 35.5334,
84.2790

■ 47.3433, 29.5928,
83.3380

■ 55.8770, 42.9250,
85.4616

■ 44.1464, 24.9952,
82.6191

■ 61.3127, 51.8565,
86.8991

■ 41.5865, 21.6245,
82.1034

■ 67.5861, 62.4149,
88.6064

■ 39.5946, 19.3428,
81.7680

■ 74.7370, 74.6793,
90.5968

■ 38.0804, 17.9701,
81.5828

■ 82.8026, 88.7238,
92.8825

■ 37.7091, 17.6739,
81.5452

■ 87.7996, 96.5816,
94.1359

■ 89.2723, 97.3408,
94.2048

■ 90.7789, 98.1174,
94.2753

■ 92.2862, 98.8945,
94.3458

Harmonies

Analogous

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



41.3507, 35.5334, 116.2247



51.2349, 35.5334, 84.2790



56.6732, 35.5334, 47.4399

Triad

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



51.2349, 35.5334, 84.2790



36.7045, 35.5334, 5.7338



18.8160, 35.5334, 62.6839

Complementary

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



51.2349, 35.5334, 84.2790



45.6641, 68.0697, 30.1357

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.



18.0603, 35.5334, 31.0879



51.2349, 35.5334, 84.2790



27.1834, 35.5334, 6.6898

Square

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



51.2349, 35.5334, 84.2790



47.2617, 35.5334, 9.5565



20.8124, 35.5334, 13.4818



23.1318, 35.5334, 100.0456

Rectangle

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



51.2349, 35.5334, 84.2790



56.4252, 35.5334, 28.6831



20.8124, 35.5334, 13.4818



18.1765, 35.5334, 50.7890

Sweetspot

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



51.2362, 35.5349, 84.2798



82.3933, 78.1106, 105.3420



33.9521, 30.8903, 84.2942



17.2582, 16.0749, 22.4431



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.



51.2362, 35.5349, 84.2798



55.9157, 34.9619, 98.4090



52.8652, 36.9154, 59.9282



15.4357, 15.1699, 19.0368



20.6890, 9.7015, 44.5251



1.6935, 0.7973, 3.4995

Inverse Universe

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



47.3707, 34.7176, 30.9941



51.1942, 34.1028, 27.0300



45.1290, 67.4837, 44.1209



15.1753, 15.0980, 16.2083



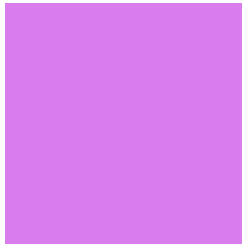
19.3330, 9.9359, 2.2890



1.5497, 0.7928, 0.3459

Previews

White Background



This preview shows how the XYZ color 51.2349, 35.5334, 84.2790 looks on a white background.

Color Contrast Check

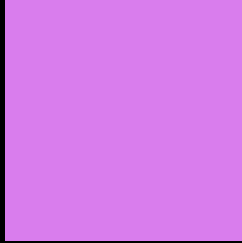
Large Text (above 18pt) WCAG AA × Fail

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 51.2349, 35.5334, 84.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

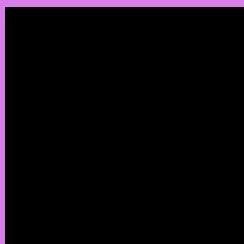
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2349, 35.5334, 84.2790

Background



This preview shows how black text looks on a background with the XYZ color 51.2349, 35.5334, 84.2790.



This preview shows how white text looks on a background with the XYZ color 51.2349, 35.5334,

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

51.2349, 35.5334, 84.2790

Protanopia

38.5890, 35.9588, 99.5146

Deuteranopia

36.9863, 36.0620, 80.6126



Tritanopia

41.3433, 35.4349, 35.6709

Trichromacy



Original Color

51.2349, 35.5334, 84.2790



Protanomaly

41.3227, 34.6042, 93.3083



Deuteranomaly

40.6587, 34.7500, 81.6553



Tritanomaly

44.2810, 35.0957, 50.3392

Monochromacy



Original Color

51.2349, 35.5334, 84.2790



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

40.0775, 35.7646, 54.0812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2349, 35.5334, 84.2790 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(217, 125, 237)` looks like.

```
.text, #text, p{  
    color:rgb(217, 125, 237)  
}
```

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(217, 125, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 125, 237) }
```

Border

The CSS property to change the border of an element to XYZ 51.2349, 35.5334, 84.2790 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(217, 125, 237) }
```


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

```
.border{ border-color:rgb(217, 125, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 125, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 125, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 125, 237);  
box-shadow:4px 4px 4px 4px rgb(217, 125,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2349, 35.5334, 84.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 125, 237) }
```

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

```
.background{ background-color: rgb(217,  
125, 237) }
```

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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