

Converting Colors

XYZ(35.7263, 18.7924, 41.2464)

Have a look what the booklet for
XYZ(35.7263, 18.7924, 41.2464)
contains.

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Color

**XYZ(35.8114, 18.8192,
41.2802)**

Conversions

Conversions Part 1

Format	Color
Hex	D52AAD
RGB	213, 42, 173
RGB Percent	84%, 16%, 68%
CMY	0.1647, 0.8352, 0.3216
CMYK	0.00, 0.80, 0.19, 0.16
HSL	314°, 67%, 50%
HSV	314°, 80%, 84%
XYZ	35.8114, 18.8192, 41.2802
YIQ	108.0630, 59.8650, 76.9930

Conversions

Conversions Part 2

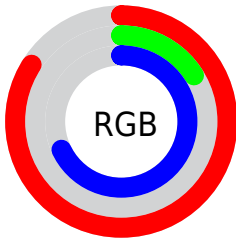
Format	Color
R_{YB}	213, 42, 173
Decimal	13970093
CIE _{Lab}	50.48, 74.60, -30.14
CIE _{LCh}	50, 80.459, 338.001
Yxy	18.8192, 0.3734, 0.1962
Android (android.graphics.Color)	4292160173 (0xFFD52AAD)
YUV	108.0630, 32.0139, 92.0297
Hunter-Lab	43.3811, 71.4361, -26.0519

Details

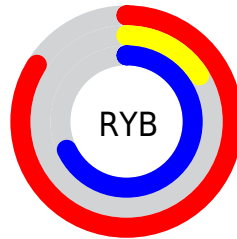
The XYZ color **35.8114, 18.8192, 41.2802** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **26.2732, 48.6907, 15.9986**, and the grayscale version is **14.1746, 14.9127, 16.2400**.

A 20% lighter version of the original color is **60.7454, 37.6423, 78.1928**, and **16.7166, 8.2261, 18.4760** is the 20% darker color. If you saturate the color by 10%, you get **34.7732, 17.4999, 38.5995**, and if you desaturate by 10%, it is **37.2698, 20.9496, 44.1900**.

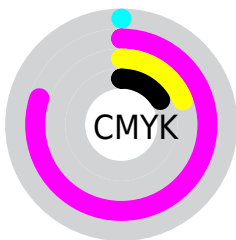
Distribution



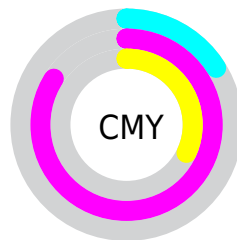
- Red (84%)
- Green (16%)
- Blue (68%)



- Red (84%)
- Yellow (16%)
- Blue (68%)



- Cyan (0%)
- Magenta (80%)
- Yellow (19%)
- Black (16%)





- Cyan (16%)
- Magenta (84%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8114, 18.8192, 41.2802 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 35.8114, 18.8192, 41.2802 by changing the saturation by 10% instead.

 35.8114, 18.8192,
41.2802


 35.8114, 18.8192,
41.2802


319.5811,
245.4488, 367.2016


 24.4580, 11.5397,
28.2167


 68.0666, 41.4284,
78.3674


 15.8003, 6.4311,
18.2486


 89.6992, 57.5268,
103.2281


 9.4729, 3.1089,
10.9574


 115.4889, 77.3337,
132.8584

 5.1105, 1.1889,
5.9244

 145.8010,
101.2335, 167.6768

 2.3476, 0.0526,
2.7311

 181.0009,
129.6105, 208.1017

 0.8189, 0.0000,
0.9590

221.4540,

 0.0000, 0.0000,

162.8491, 254.5518

0.0000

267.5256,
201.3338, 307.4456

■ 35.8114, 18.8192,
41.2802

■ 35.8114, 18.8192,
41.2802

■ 34.7732, 17.4999,
38.5995

■ 37.2698, 20.9496,
44.1900

■ 34.0671, 16.7968,
36.1779

■ 39.2025, 23.9998,
47.3475

■ 41.6574, 28.0648,
50.7696

■ 44.6756, 33.2271,
54.4710

■ 48.2944, 39.5604,
58.4650

■ 52.5476, 47.1323,
62.7637

■ 57.4666, 56.0051,
67.3786

■ 63.0804, 66.2369,
72.3200

■ 69.4166, 77.8822,
77.5982

Harmonies

Analogous

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



28.8604, 18.8192, 76.7773



35.8114, 18.8192, 41.2802



37.3426, 18.8192, 15.0523

Triad

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



35.8114, 18.8192, 41.2802



15.8707, 18.8192, 0.5139



8.4468, 18.8192, 60.1974

Complementary

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



35.8114, 18.8192, 41.2802



26.2732, 48.6907, 15.9986

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.



6.7301, 18.8192, 27.1032



35.8114, 18.8192, 41.2802



10.1214, 18.8192, 1.8278

Square

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



35.8114, 18.8192, 41.2802



24.1462, 18.8192, 0.8687



7.2378, 18.8192, 8.2038



12.8155, 18.8192, 92.1976

Rectangle

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



35.8114, 18.8192, 41.2802



34.7628, 18.8192, 6.1745



7.2378, 18.8192, 8.2038



7.6086, 18.8192, 48.1620

Sweetspot

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



35.8120, 18.8202, 41.2805



76.3172, 66.0866, 91.7048



16.3105, 8.2507, 63.6842



15.8484, 13.2800, 19.1336



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.



35.8120, 18.8202, 41.2805



51.5129, 25.5463, 55.4805



30.0145, 16.5011, 10.7509



12.8230, 12.5807, 15.0081



20.8507, 10.2766, 22.3155



1.2884, 0.6322, 1.5083

Inverse Universe

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



35.8120, 18.8202, 41.2805



51.5129, 25.5463, 55.4805



31.7622, 50.8863, 44.9032



12.8230, 12.5807, 15.0081



20.8507, 10.2766, 22.3155



1.2884, 0.6322, 1.5083

Previews

White Background



This preview shows how the XYZ color 35.8114, 18.8192, 41.2802 looks on a white background.

Color Contrast Check

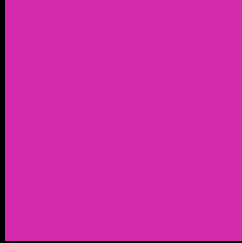
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.8114, 18.8192, 41.2802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

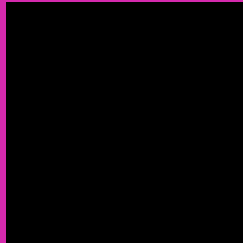
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.8114, 18.8192, 41.2802

Background



This preview shows how black text looks on a background with the XYZ color 35.8114, 18.8192, 41.2802.



This preview shows how white text looks on a background with the XYZ color 35.8114, 18.8192,

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

35.8114, 18.8192, 41.2802

Protanopia

22.6808, 19.4200, 80.3949

Deuteranopia

19.5144, 19.0892, 37.3064



Tritanopia

29.3159, 18.8810, 9.8839

Trichromacy



Original Color

35.8114, 18.8192, 41.2802



Protanomaly

22.0954, 15.4453, 64.1040



Deuteranomaly

22.7488, 16.4752, 38.5403



Tritanomaly

30.8831, 18.2916, 17.8225

Monochromacy



Original Color

35.8114, 18.8192, 41.2802



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

19.1892, 14.1176, 23.5434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8114, 18.8192, 41.2802 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(213, 42, 173)` looks like.

```
.text, #text, p{  
    color:rgb(213, 42, 173)  
}
```

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(213, 42, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 42, 173) }
```

Border

The CSS property to change the border of an element to XYZ 35.8114, 18.8192, 41.2802 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(213, 42, 173) }
```


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

```
.border{ border-color:rgb(213, 42, 173) }
```

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

Here you see how a box with a 4 pixel rgb(213, 42, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 42, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 42, 173);  
box-shadow:4px 4px 4px 4px rgb(213, 42,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8114, 18.8192, 41.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 42, 173) }
```

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

```
.background{ background-color: rgb(213, 42,  
173) }
```

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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