

Converting Colors

XYZ(35.6464, 18.0195, 42.6736)

Have a look what the booklet for
XYZ(35.6464, 18.0195, 42.6736)
contains.

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Color

**XYZ(35.6464, 18.0195,
42.6736)**

Conversions

Conversions Part 1

Format	Color
Hex	D51AB0
RGB	213, 26, 176
RGB Percent	84%, 10%, 69%
CMY	0.1647, 0.8980, 0.3098
CMYK	0.00, 0.88, 0.17, 0.16
HSL	312°, 78%, 47%
HSV	312°, 88%, 84%
XYZ	35.6464, 18.0195, 42.6736
YIQ	99.0130, 63.3020, 86.2940

Conversions

Conversions Part 2

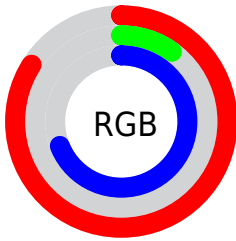
Format	Color
R _Y B	213, 26, 176
Decimal	13966000
CIE Lab	49.52, 78.16, -33.40
CIE LCh	50, 84.999, 336.864
Yxy	18.0195, 0.3700, 0.1870
Android (android.graphics.Color)	4292156080 (0xFFD51AB0)
YUV	99.0130, 37.9546, 99.9666
Hunter-Lab	42.4494, 75.6070, -29.8886

Details

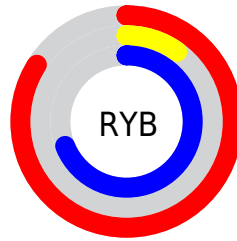
The XYZ color **35.6464, 18.0195, 42.6736** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **25.1186, 48.1677, 12.6788**, and the grayscale version is **11.7619, 12.3744, 13.4757**.

A 20% lighter version of the original color is **60.3627, 36.2005, 80.1499**, and **16.9016, 8.3001, 19.4502** is the 20% darker color. If you saturate the color by 10%, you get **34.9177, 17.2190, 40.4050**, and if you desaturate by 10%, it is **36.7302, 19.5089, 45.1247**.

Distribution



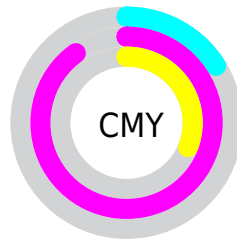
- Red (84%)
- Green (10%)
- Blue (69%)



- Red (84%)
- Yellow (10%)
- Blue (69%)



- Cyan (0%)
- Magenta (88%)
- Yellow (17%)
- Black (16%)





- Cyan (16%)
- Magenta (90%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6464, 18.0195, 42.6736 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 35.6464, 18.0195, 42.6736 by changing the saturation by 10% instead.


 35.6464, 18.0195,
42.6736


 35.6464, 18.0195,
42.6736

318.8706,
240.9809, 373.1494


 24.3301, 10.9640,
29.2996


 67.8134, 40.0706,
80.4991

 15.7047, 6.0426,
19.0601


 89.3948, 55.8349,
105.7878


 9.4050, 2.8710,
11.5364


 115.1285, 75.2709,
135.8850

 5.0655, 1.0648,
6.3102

 145.3800, 98.7631,
171.2094

 2.3209, 0.0000,
2.9628

 180.5146,
126.6958, 212.1795

 0.8053, 0.0000,
1.0757

 220.8977,

 0.0000, 0.0000,

159.4534, 259.2139

0.0000

266.8946,
197.4203, 312.7310

■ 35.6464, 18.0195,
42.6736

■ 35.6464, 18.0195,
42.6736

■ 34.9177, 17.2190,
40.4050

■ 36.7302, 19.5089,
45.1247

■ 34.7773, 17.0808,
39.9180

■ 38.2424, 21.8345,
47.7830

■ 40.2368, 25.1036,
50.6670

■ 42.7591, 29.4069,
53.7926

■ 45.8491, 34.8245,
57.1735

■ 49.5432, 41.4284,
60.8224

■ 53.8743, 49.2847,
64.7508

■ 58.8732, 58.4545,
68.9695

■ 64.5685, 68.9951,
73.4886

Harmonies

Analogous

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



28.1802, 18.0195, 80.6649



35.6464, 18.0195, 42.6736



37.5253, 18.0195, 14.7889

Triad

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



35.6464, 18.0195, 42.6736



15.3445, 18.0195, 0.0692



7.4947, 18.0195, 59.9874

Complementary

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



35.6464, 18.0195, 42.6736



25.1186, 48.1677, 12.6788

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.



5.9044, 18.0195, 25.4033



35.6464, 18.0195, 42.6736



9.4240, 18.0195, 1.2370

Square

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



35.6464, 18.0195, 42.6736



23.9501, 18.0195, 0.5045



6.4791, 18.0195, 6.8562



11.7410, 18.0195, 95.0254

Rectangle

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



35.6464, 18.0195, 42.6736



34.9579, 18.0195, 5.6406



6.4791, 18.0195, 6.8562



6.7041, 18.0195, 47.2085

Sweetspot

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



35.6470, 18.0204, 42.6739



75.3822, 63.9299, 92.2769



14.2617, 6.5137, 63.4567



15.6854, 12.8741, 19.3255



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.



35.6470, 18.0204, 42.6739



52.2040, 25.6456, 59.6657



29.4594, 15.5454, 10.0901



12.8428, 12.5886, 15.1124



21.2803, 10.4484, 24.5779



1.3110, 0.6412, 1.6271

Inverse Universe

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



35.6470, 18.0204, 42.6739



52.2040, 25.6456, 59.6657



30.0361, 50.1347, 38.5739



12.8428, 12.5886, 15.1124



21.2803, 10.4484, 24.5779



1.3110, 0.6412, 1.6271

Previews

White Background



This preview shows how the XYZ color 35.6464, 18.0195, 42.6736 looks on a white background.

Color Contrast Check

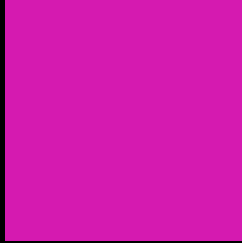
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 35.6464, 18.0195, 42.6736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

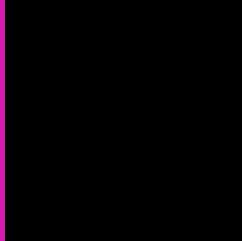
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.6464, 18.0195, 42.6736

Background



This preview shows how black text looks on a background with the XYZ color 35.6464, 18.0195, 42.6736.



This preview shows how white text looks on a background with the XYZ color 35.6464, 18.0195,

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

35.6464, 18.0195, 42.6736

Protanopia

22.3464, 18.5663, 87.9938

Deuteranopia

18.7463, 18.3228, 38.1459



Tritanopia

28.5588, 18.0079, 8.9918

Trichromacy



Original Color

35.6464, 18.0195, 42.6736



Protanomaly

18.8640, 12.7268, 68.4801



Deuteranomaly

21.6594, 15.0449, 39.2985



Tritanomaly

30.0790, 17.1900, 17.3555

Monochromacy



Original Color

35.6464, 18.0195, 42.6736



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

16.9633, 11.7425, 21.4511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6464, 18.0195, 42.6736 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, 26, 176)` looks like.

```
.text, #text, p{  
    color:rgb(213, 26, 176)  
}
```

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, 26, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 26, 176) }
```

Border

The CSS property to change the border of an element to XYZ 35.6464, 18.0195, 42.6736 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, 26, 176) }
```


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

```
.border{ border-color:rgb(213, 26, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 26, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 26, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 26, 176);  
box-shadow:4px 4px 4px 4px rgb(213, 26,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6464, 18.0195, 42.6736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 26, 176) }
```

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

```
.background{ background-color: rgb(213, 26,  
176) }
```

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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