

# Converting Colors

XYZ(35.4690, 21.8026, 16.8069)

Have a look what the booklet for  
XYZ(35.4690, 21.8026, 16.8069)  
contains.

<b>XYZ(35.4690, 21.8026, 16.8069)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(35.4690, 21.8026,  
16.8069)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE4C6D
RGB	222, 76, 109
RGB Percent	87%, 30%, 43%
CMY	0.1294, 0.7019, 0.5725
CMYK	0.00, 0.66, 0.51, 0.13
HSL	346°, 69%, 58%
HSV	346°, 66%, 87%
XYZ	35.4690, 21.8026, 16.8069
YIQ	123.4160, 76.4230, 41.2150

# Conversions

## Conversions Part 2

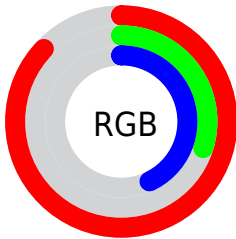
Format	Color
<a href="#">RYB</a>	<a href="#">222, 76, 109</a>
Decimal	<a href="#">14568557</a>
CIELab	<a href="#">53.82, 59.04, 13.09</a>
CIElCh	<a href="#">54, 60.474, 12.500</a>
Yxy	<a href="#">21.8026, 0.4788, 0.2943</a>
Android (android.graphics.Color)	<a href="#">4292758637 (0xFFDE4C6D)</a>
YUV	<a href="#">123.4160, -7.1071, 86.4582</a>
Hunter-Lab	<a href="#">46.6933, 53.8785, 11.3443</a>

# Details

The XYZ color **35.4690, 21.8026, 16.8069** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **38.2886, 57.4538, 57.2204**, and the grayscale version is **18.9703, 19.9583, 21.7345**.

A 20% lighter version of the original color is **55.8364, 40.3006, 38.0936**, and **15.5674, 7.9249, 5.2666** is the 20% darker color. If you saturate the color by 10%, you get **33.3582, 18.9197, 11.9771**, and if you desaturate by 10%, it is **38.2892, 25.8152, 22.7656**.

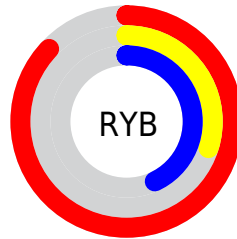
# Distribution



Red (87%)

Green (30%)

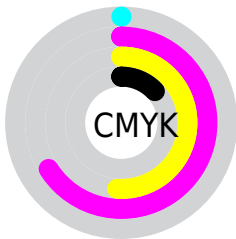
Blue (43%)



Red (87%)

Yellow (30%)

Blue (43%)

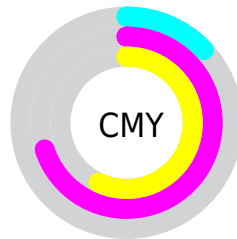


Cyan (0%)

Magenta (66%)

Yellow (51%)

Black (13%)



Cyan (13%)

Magenta (70%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4690, 21.8026, 16.8069 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 35.4690, 21.8026, 16.8069 by changing the saturation by 10% instead.





 35.4690, 21.8026,  
16.8069


 35.4690, 21.8026,  
16.8069


318.1055,  
261.5137, 246.0633

 24.1926, 13.7119,  
9.9364


 67.5409, 46.4195,  
38.7796


 15.6020, 7.9206,  
5.2518


 89.0672, 63.7146,  
54.7188


 9.3320, 4.0442,  
2.3344


 114.7407, 84.8465,  
74.5181

 5.0172, 1.6983,  
0.7504

 144.9269,  
110.1997, 98.5959

 2.2922, 0.4226,  
0.0000

 179.9911,  
140.1587, 127.3707

 0.7907, 0.0000,  
0.0000

220.2987,

 0.0000, 0.0000,

175.1077, 161.2613

0.0000

266.2151,  
215.4313, 200.6859

■ 35.4690, 21.8026,  
16.8069

■ 35.4690, 21.8026,  
16.8069

■ 33.3582, 18.9197,  
11.9771

■ 38.2892, 25.8152,  
22.7656

■ 31.8877, 17.0447,  
8.2005

■ 41.8757, 31.0554,  
29.9197


■ 30.9761, 16.0338,  
5.3924


■ 46.2814, 37.6146,  
38.3316


■ 30.7035, 15.7613,  
4.4607


■ 51.5539, 45.5745,  
48.0587

■ 57.7372, 55.0103,  
59.1551

 64.8721, 65.9915,  
71.6716

 72.9970, 78.5834,  
85.6565

 82.1480, 92.8476,  
101.1556

 83.9342, 94.2696,  
108.3798

# Harmonies

## Analogous

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



35.0669, 21.8026, 36.2056



35.4690, 21.8026, 16.8069



31.3656, 21.8026, 6.8434

# Triad

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



35.4690, 21.8026, 16.8069



13.3766, 21.8026, 5.9247



17.1884, 21.8026, 76.8231

# Complementary

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



35.4690, 21.8026, 16.8069



38.2886, 57.4538, 57.2204

# 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.



12.8092, 21.8026, 57.0436



35.4690, 21.8026, 16.8069



10.9456, 21.8026, 14.5239

# Square

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



35.4690, 21.8026, 16.8069



18.1347, 21.8026, 3.1402



10.7623, 21.8026, 32.3558



23.5460, 21.8026, 78.6042



# Rectangle

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



35.4690, 21.8026, 16.8069



27.0432, 21.8026, 4.0447



10.7623, 21.8026, 32.3558



15.4728, 21.8026, 71.7189

# Sweetspot

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



35.4696, 21.8038, 16.8073



75.1662, 69.3791, 74.0742



36.4929, 21.1272, 71.2617



15.5818, 14.0772, 14.9434



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.



35.4696, 21.8038, 16.8073



44.7940, 24.7589, 14.2411



37.5528, 28.2992, 10.3221



13.8335, 13.7510, 14.8932



18.2722, 9.3759, 2.8330



1.3004, 0.6634, 0.3746



# Inverse Universe

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



35.4696, 21.8038, 16.8073



44.7940, 24.7589, 14.2411



33.1137, 40.7062, 75.2189



13.8335, 13.7510, 14.8932



18.2722, 9.3759, 2.8330

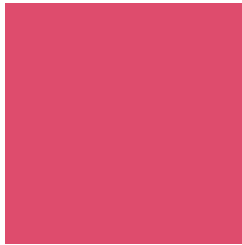


1.3004, 0.6634, 0.3746



# Previews

## White Background



This preview shows how the XYZ color 35.4690, 21.8026, 16.8069 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 35.4690, 21.8026, 16.8069 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 35.4690, 21.8026, 16.8069**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.4690, 21.8026, 16.8069.



This preview shows how white text looks on a background with the XYZ color 35.4690, 21.8026,



# 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

35.4690, 21.8026, 16.8069

### Protanopia

21.2164, 21.8830, 26.3982

### Deuteranopia

22.3684, 21.9539, 15.6290



## Tritanopia

34.4009, 21.9129, 11.0108

# Trichromacy



## Original Color

35.4690, 21.8026, 16.8069

## Protanomaly

24.3388, 20.2302, 22.3607

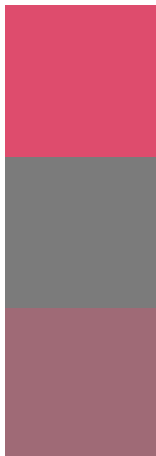
## Deuteranomaly

25.9390, 20.8824, 16.0282

## Tritanomaly

34.6352, 21.7723, 12.9667

# Monochromacy



## Original Color

35.4690, 21.8026, 16.8069

## Achromatopsia

18.8265, 19.8069, 21.5697

## Achromatomaly

22.7221, 18.9870, 19.6068

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4690, 21.8026, 16.8069 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(222, 76, 109)` looks like.

```
.text, #text, p{  
    color:rgb(222, 76, 109)  
}
```

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(222, 76, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 76, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4690, 21.8026, 16.8069 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(222, 76, 109) }
```



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

```
.border{ border-color:rgb(222, 76, 109) }
```

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

Here you see how a box with a 4 pixel rgb(222, 76, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 76, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 76, 109);  
box-shadow:4px 4px 4px 4px rgb(222, 76,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4690, 21.8026, 16.8069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 76, 109) }
```

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

```
.background{ background-color: rgb(222, 76,  
109) }
```

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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