

Converting Colors

XYZ(40.7015, 29.4957, 35.6718)

Have a look what the booklet for
XYZ(40.7015, 29.4957, 35.6718)
contains.

XYZ(40.7358, 29.5583, 35.9061)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.7358, 29.5583,
35.9061)**

Conversions

Conversions Part 1

Format	Color
Hex	D8749E
RGB	216, 116, 158
RGB Percent	85%, 45%, 62%
CMY	0.1529, 0.5451, 0.3804
CMYK	0.00, 0.46, 0.27, 0.15
HSL	335°, 56%, 65%
HSV	335°, 46%, 85%
XYZ	40.7358, 29.5583, 35.9061
YIQ	150.6880, 46.1180, 34.2620

Conversions

Conversions Part 2

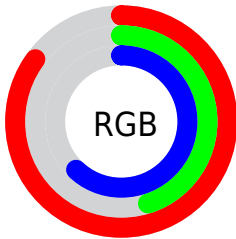
Format	Color
R _{YB}	216, 116, 158
Decimal	14185630
CIE Lab	61.27, 43.91, -4.95
CIE LCh	61, 44.190, 353.569
Yxy	29.5583, 0.3836, 0.2783
Android (android.graphics.Color)	4292375710 (0xFFD8749E)
YUV	150.6880, 3.6048, 57.2786
Hunter-Lab	54.3675, 38.6009, -1.0998

Details

The XYZ color **40.7358, 29.5583, 35.9061** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **39.3996, 55.8814, 48.7567**, and the grayscale version is **29.2543, 30.7778, 33.5170**.

A 20% lighter version of the original color is **67.6250, 54.8135, 69.9666**, and **18.7853, 12.0993, 15.2552** is the 20% darker color. If you saturate the color by 10%, you get **37.5052, 24.7357, 29.7771**, and if you desaturate by 10%, it is **44.6569, 35.5854, 42.8083**.

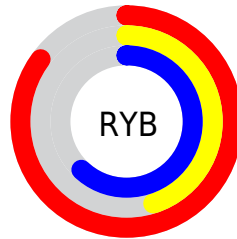
Distribution



Red (85%)

Green (45%)

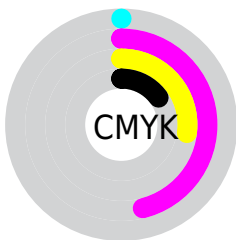
Blue (62%)



Red (85%)

Yellow (45%)

Blue (62%)

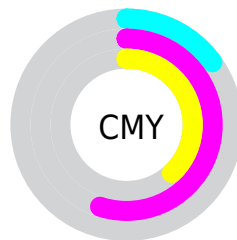


Cyan (0%)

Magenta (46%)

Yellow (27%)

Black (15%)



Cyan (15%)


Magenta (55%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7358, 29.5583, 35.9061 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 40.7358, 29.5583, 35.9061 by changing the saturation by 10% instead.


 40.7358, 29.5583,
35.9061


 40.7358, 29.5583,
35.9061


340.2967,
299.8401, 343.5749

 28.2995, 19.5036,
24.0726


 75.5599, 58.9630,
70.0545

 18.6931, 12.0347,
15.1748

 98.6784, 79.0817,
93.2065

 11.5514, 6.7673,
8.7941


 126.0883,
103.3238, 120.9683

 6.5090, 3.3170,
4.5122

158.1550,
132.0738, 153.7586

 3.2006, 1.2994,
1.9103

195.2438,
165.7161, 191.9959

 1.2607, 0.1407,
0.4993

237.7201,

 0.1535, 0.0000,

204.6349, 236.0987

0.0000

285.9493,
249.2148, 286.4855

■ 0.0000, 0.0000,
0.0000

■ 40.7358, 29.5583,
35.9061

■ 40.7358, 29.5583,
35.9061

■ 37.5052, 24.7357,
29.7771

■ 44.6569, 35.5854,
42.8083

■ 34.9185, 21.0305,
24.3888

■ 49.3058, 42.8874,
50.5108

■ 32.9272, 18.3508,
19.7083


■ 54.7202, 51.5346,
59.0413


■ 31.4740, 16.5880,
15.6986


■ 60.9342, 61.5905,
68.4254


■ 30.4877, 15.6055,
12.3172

■ 67.9799, 73.1150,
78.6877

 30.1950, 15.3494,
11.2043

 75.8876, 86.1641,
89.8516

 80.6676, 92.7544,
100.6000

 82.1289, 93.3390,
108.2953

Harmonies

Analogous

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



38.0860, 29.5583, 55.1949



40.7358, 29.5583, 35.9061



39.6409, 29.5583, 21.0018

Triad

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



40.7358, 29.5583, 35.9061



23.8560, 29.5583, 10.8498



21.9630, 29.5583, 65.4391

Complementary

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



40.7358, 29.5583, 35.9061



39.3996, 55.8814, 48.7567

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.



19.0406, 29.5583, 46.7629



40.7358, 29.5583, 35.9061



20.0235, 29.5583, 16.6656

Square

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



40.7358, 29.5583, 35.9061



29.3655, 29.5583, 9.6968



18.3829, 29.5583, 28.7284



26.8602, 29.5583, 75.6501

Rectangle

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



40.7358, 29.5583, 35.9061



37.0003, 29.5583, 14.7726



18.3829, 29.5583, 28.7284



20.7460, 29.5583, 59.6876

Sweetspot

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



40.7366, 29.5597, 35.9067



81.5433, 78.0371, 88.8277



35.8013, 26.2966, 68.1547



17.0534, 16.0587, 18.3987



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.



40.7366, 29.5597, 35.9067



54.5192, 35.8777, 43.1681



38.5140, 29.9448, 20.2748



12.6375, 12.5065, 14.0311



17.9236, 9.1057, 6.9015



1.1219, 0.5655, 0.6312

Inverse Universe

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



40.7366, 29.5597, 35.9067



54.5192, 35.8777, 43.1681



42.4804, 54.4362, 73.2341



12.6375, 12.5065, 14.0311



17.9236, 9.1057, 6.9015



1.1219, 0.5655, 0.6312

Previews

White Background



This preview shows how the XYZ color 40.7358, 29.5583, 35.9061 looks on a white background.

Color Contrast Check

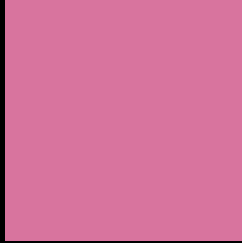
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.7358, 29.5583, 35.9061 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 40.7358, 29.5583, 35.9061

Background



This preview shows how black text looks on a background with the XYZ color 40.7358, 29.5583, 35.9061.



This preview shows how white text looks on a background with the XYZ color 40.7358, 29.5583,

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

40.7358, 29.5583, 35.9061

Protanopia

29.6249, 29.8326, 46.3163

Deuteranopia

30.2202, 29.7200, 34.2807



Tritanopia

38.3072, 29.4326, 24.7811

Trichromacy



Original Color

40.7358, 29.5583, 35.9061

Protanomaly

32.5170, 28.9836, 42.4086

Deuteranomaly

33.2639, 29.1201, 34.8779

Tritanomaly

39.0620, 29.3832, 28.4237

Monochromacy



Original Color

40.7358, 29.5583, 35.9061

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

32.6004, 29.6240, 34.5716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7358, 29.5583, 35.9061 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(216, 116, 158)` looks like.

```
.text, #text, p{  
    color:rgb(216, 116, 158)  
}
```

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(216, 116, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 116, 158) }
```

Border

The CSS property to change the border of an element to XYZ 40.7358, 29.5583, 35.9061 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(216, 116, 158) }
```


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

```
.border{ border-color:rgb(216, 116, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 116, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 116, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 116, 158);  
box-shadow:4px 4px 4px 4px rgb(216, 116,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7358, 29.5583, 35.9061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 116, 158) }
```

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

```
.background{ background-color: rgb(216,  
116, 158) }
```

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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