

Converting Colors

XYZ(42.0080, 30.9338, 38.4925)

Have a look what the booklet for
XYZ(42.0080, 30.9338, 38.4925)
contains.

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Color

**XYZ(41.9426, 30.8290,
38.3903)**

Conversions

Conversions Part 1

Format	Color
Hex	D978A3
RGB	217, 120, 163
RGB Percent	85%, 47%, 64%
CMY	0.1490, 0.5294, 0.3608
CMYK	0.00, 0.45, 0.25, 0.15
HSL	333°, 56%, 66%
HSV	333°, 45%, 85%
XYZ	41.9426, 30.8290, 38.3903
YIQ	153.9050, 44.0090, 33.9370

Conversions

Conversions Part 2

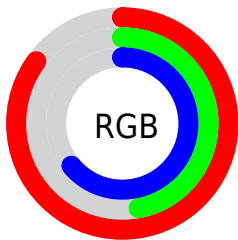
Format	Color
R _Y B	217, 120, 163
Decimal	14252195
CIE Lab	62.36, 42.89, -6.18
CIE LCh	62, 43.336, 351.797
Yxy	30.8290, 0.3773, 0.2773
Android (android.graphics.Color)	4292442275 (0xFFD978A3)
YUV	153.9050, 4.4838, 55.3343
Hunter-Lab	55.5239, 37.6717, -2.1276

Details

The XYZ color **41.9426, 30.8290, 38.3903** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **40.2000, 56.6756, 48.8679**, and the grayscale version is **30.6418, 32.2376, 35.1067**.

A 20% lighter version of the original color is **69.0309, 56.5941, 73.6151**, and **19.4336, 12.7555, 16.4767** is the 20% darker color. If you saturate the color by 10%, you get **38.5911, 25.7762, 32.1853**, and if you desaturate by 10%, it is **45.9906, 37.1087, 45.3383**.

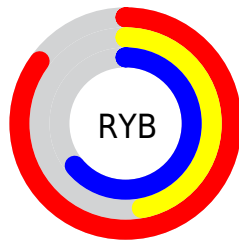
Distribution



Red (85%)

Green (47%)

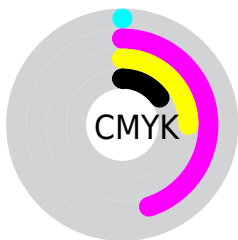
Blue (64%)



Red (85%)

Yellow (47%)

Blue (64%)

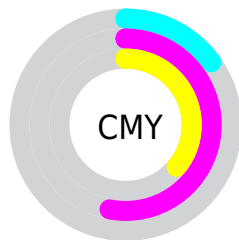


Cyan (0%)

Magenta (45%)

Yellow (25%)

Black (15%)



Cyan (15%)


Magenta (53%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9426, 30.8290, 38.3903 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 41.9426, 30.8290, 38.3903 by changing the saturation by 10% instead.


 41.9426, 30.8290,
38.3903


 41.9426, 30.8290,
38.3903


345.2406,
305.7498, 354.6396

 29.2473, 20.4687,
25.9816


 77.3785, 60.9707,
73.9160

 19.4132, 12.7362,
16.5842


 100.8497, 81.5210,
97.8701

 12.0750, 7.2471,
9.7797


 128.6436,
106.2366, 126.5097

 6.8673, 3.6171,
5.1494

161.1255,
135.5020, 160.2534

 3.4249, 1.4618,
2.2749

198.6608,
169.7017, 199.5197

 1.3822, 0.2616,
0.7171

241.6149,

 0.2435, 0.0000,

209.2199, 244.7271

0.0000

290.3530,
254.4411, 296.2942

■ 0.0000, 0.0000,
0.0000

■ 41.9426, 30.8290,
38.3903

■ 41.9426, 30.8290,
38.3903

■ 38.5911, 25.7762,
32.1853

■ 45.9906, 37.1087,
45.3383

■ 35.8902, 21.8639,
26.6929

■ 50.7719, 44.6854,
53.0543

■ 33.7921, 19.0012,
21.8825


■ 56.3237, 53.6289,
61.5642


■ 32.2409, 17.0813,
17.7200

■ 62.6799, 64.0029,
70.8920


■ 31.1689, 15.9741,
14.1663

■ 69.8723, 75.8671,
81.0605

 30.7355, 15.5998,
12.5034

 77.9309, 89.2775,
92.0915

 81.2517, 93.0223,
102.1286

 82.4254, 93.4918,
108.3092

Harmonies

Analogous

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



39.0885, 30.8290, 57.7684



41.9426, 30.8290, 38.3903



41.0711, 30.8290, 22.9455

Triad

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



41.9426, 30.8290, 38.3903



25.3105, 30.8290, 11.6216



22.8658, 30.8290, 65.8853

Complementary

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



41.9426, 30.8290, 38.3903



40.2000, 56.6756, 48.8679

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.



20.0280, 30.8290, 47.0465



41.9426, 30.8290, 38.3903



21.3027, 30.8290, 17.2920

Square

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



41.9426, 30.8290, 38.3903



30.9409, 30.8290, 10.6730



19.4966, 30.8290, 29.1666



27.7221, 30.8290, 76.7611

Rectangle

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



41.9426, 30.8290, 38.3903



38.5401, 30.8290, 16.3138



19.4966, 30.8290, 29.1666



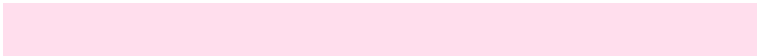
21.6725, 30.8290, 60.0258

Sweetspot

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



41.9435, 30.8305, 38.3909



82.5410, 79.5107, 90.7690



36.5533, 27.3686, 69.0020



17.2559, 16.3510, 18.8131



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.



41.9435, 30.8305, 38.3909



55.7062, 37.2806, 46.5577



39.3213, 30.7387, 21.6319



13.2947, 13.1470, 14.8129



18.6569, 9.4638, 7.8393



1.2516, 0.6303, 0.7338

Inverse Universe

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



41.9435, 30.8305, 38.3909



55.7062, 37.2806, 46.5577



43.8521, 56.1656, 74.1757



13.2947, 13.1470, 14.8129



18.6569, 9.4638, 7.8393



1.2516, 0.6303, 0.7338

Previews

White Background



This preview shows how the XYZ color 41.9426, 30.8290, 38.3903 looks on a white background.

Color Contrast Check

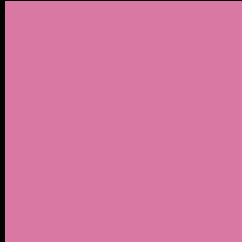
Large Text (above 18pt) WCAG AA × Fail

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 41.9426, 30.8290, 38.3903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

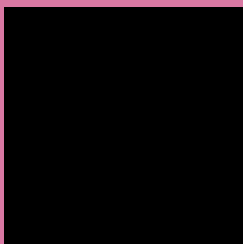
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9426, 30.8290, 38.3903

Background



This preview shows how black text looks on a background with the XYZ color 41.9426, 30.8290, 38.3903.



This preview shows how white text looks on a background with the XYZ color 41.9426, 30.8290,

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

41.9426, 30.8290, 38.3903

Protanopia

30.8514, 31.1194, 48.6366

Deuteranopia

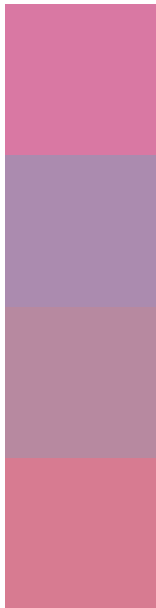
31.7095, 31.1226, 36.6837



Tritanopia

39.4383, 30.7126, 26.7712

Trichromacy



Original Color

41.9426, 30.8290, 38.3903

Protanomaly

33.7651, 30.2183, 44.6105

Deuteranomaly

34.8193, 30.4967, 37.3090

Tritanomaly

40.2181, 30.6573, 30.5858

Monochromacy



Original Color

41.9426, 30.8290, 38.3903

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

33.8903, 31.1274, 36.1203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9426, 30.8290, 38.3903 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, 120, 163)` looks like.

```
.text, #text, p{  
    color:rgb(217, 120, 163)  
}
```

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, 120, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 120, 163) }
```

Border

The CSS property to change the border of an element to XYZ 41.9426, 30.8290, 38.3903 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, 120, 163) }
```


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

```
.border{ border-color:rgb(217, 120, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 120, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 120, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 120, 163);  
box-shadow:4px 4px 4px 4px rgb(217, 120,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9426, 30.8290, 38.3903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 120, 163) }
```

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

```
.background{ background-color: rgb(217,  
120, 163) }
```

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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