

Converting Colors

XYZ(42.8424, 29.8582, 38.1181)

Have a look what the booklet for
XYZ(42.8424, 29.8582, 38.1181)
contains.

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Color

**XYZ(42.8365, 29.9207,
38.1679)**

Conversions

Conversions Part 1

Format	Color
Hex	DF70A3
RGB	223, 112, 163
RGB Percent	87%, 44%, 64%
CMY	0.1255, 0.5608, 0.3608
CMYK	0.00, 0.50, 0.27, 0.13
HSL	332°, 63%, 66%
HSV	332°, 50%, 87%
XYZ	42.8365, 29.9207, 38.1679
YIQ	151.0030, 49.7850, 39.3930

Conversions

Conversions Part 2

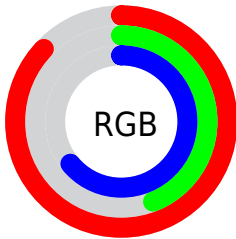
Format	Color
R_{YB}	223, 112, 163
Decimal	14643363
CIE _{Lab}	61.59, 48.93, -7.25
CIE _{LCh}	62, 49.463, 351.572
Yxy	29.9207, 0.3862, 0.2697
Android (android.graphics.Color)	4292833443 (0xFFDF70A3)
YUV	151.0030, 5.9145, 63.1414
Hunter-Lab	54.6998, 44.0622, -3.0809

Details

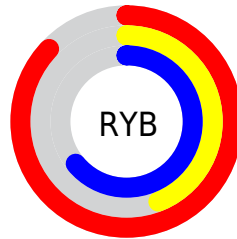
The XYZ color **42.8365, 29.9207, 38.1679** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **40.5177, 59.1995, 48.3239**, and the grayscale version is **29.3783, 30.9082, 33.6590**.

A 20% lighter version of the original color is **67.7136, 53.9594, 73.1760**, and **19.9503, 12.2750, 16.3567** is the 20% darker color. If you saturate the color by 10%, you get **39.6445, 25.1836, 32.0266**, and if you desaturate by 10%, it is **46.7424, 35.9204, 45.0557**.

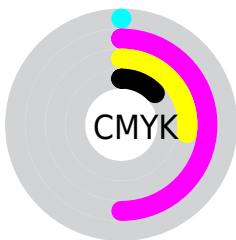
Distribution



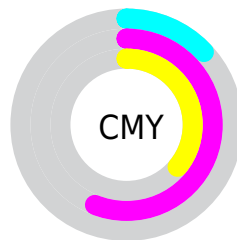
- Red (87%)
- Green (44%)
- Blue (64%)



- Red (87%)
- Yellow (44%)
- Blue (64%)



- Cyan (0%)
- Magenta (50%)
- Yellow (27%)
- Black (13%)



- Cyan (13%)
- Magenta (56%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8365, 29.9207, 38.1679 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 42.8365, 29.9207, 38.1679 by changing the saturation by 10% instead.

42.8365, 29.9207,
38.1679

42.8365, 29.9207,
38.1679

348.8719,
301.5346, 353.6594

29.9508, 19.7784,
25.8102

78.7213, 59.5367,
73.5717

19.9491, 12.2341,
16.4572

102.4512, 79.7793,
97.4548

12.4661, 6.9033,
9.6904

130.5265,
104.1574, 126.0169

7.1364, 3.4017,
5.0913

163.3125,
133.0554, 159.6764

3.5947, 1.3449,
2.2412

201.1748,
166.8577, 198.8518

1.4755, 0.1756,
0.6980

244.4785,

0.3091, 0.0000,

205.9488, 243.9618

0.0000

293.5891,
250.7130, 295.4248

■ 0.0000, 0.0000,
0.0000

■ 42.8365, 29.9207,
38.1679

■ 42.8365, 29.9207,
38.1679

■ 39.6445, 25.1836,
32.0266

■ 46.7424, 35.9204,
45.0557

■ 37.1152, 21.6117,
26.5998

■ 51.4035, 43.2616,
52.7166

■ 35.1941, 19.1010,
21.8549

■ 56.8609, 52.0220,
61.1775

■ 33.8161, 17.5260,
17.7545

■ 63.1518, 62.2719,
70.4636

■ 32.8716, 16.6728,
14.2460

■ 70.3111, 74.0771,
80.5984

■ 32.8524, 16.6564,
14.1722

■ 78.3715, 87.4992,
91.6049

■ 83.0393, 93.9471,
102.0632

■ 84.2416, 94.4280,
108.3942

Harmonies

Analogous

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



39.5137, 29.9207, 60.5980



42.8365, 29.9207, 38.1679



41.8617, 29.9207, 21.0161

Triad

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



42.8365, 29.9207, 38.1679



24.0470, 29.9207, 9.2026



21.2946, 29.9207, 69.8819

Complementary

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



42.8365, 29.9207, 38.1679



40.5177, 59.1995, 48.3239

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.



18.2439, 29.9207, 47.7537



42.8365, 29.9207, 38.1679



19.6546, 29.9207, 14.8835

Square

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



42.8365, 29.9207, 38.1679



30.3287, 29.9207, 8.3114



17.6935, 29.9207, 27.5634



26.6290, 29.9207, 82.9973

Rectangle

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



42.8365, 29.9207, 38.1679



38.9623, 29.9207, 14.0009



17.6935, 29.9207, 27.5634



20.0044, 29.9207, 62.9237

Sweetspot

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



42.8374, 29.9222, 38.1685



80.8862, 76.7160, 88.6302



35.9531, 25.5983, 72.8584



16.9328, 15.8022, 18.4057



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.



42.8374, 29.9222, 38.1685



53.4660, 33.7526, 42.8745



39.5681, 29.2812, 18.8975



13.9678, 13.8048, 15.6009



19.3723, 9.8159, 8.6263



1.3876, 0.6983, 0.8339

Inverse Universe

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



42.8374, 29.9222, 38.1685



53.4660, 33.7526, 42.8745



45.4123, 59.5929, 78.9214



13.9678, 13.8048, 15.6009



19.3723, 9.8159, 8.6263



1.3876, 0.6983, 0.8339

Previews

White Background



This preview shows how the XYZ color 42.8365, 29.9207, 38.1679 looks on a white background.

Color Contrast Check

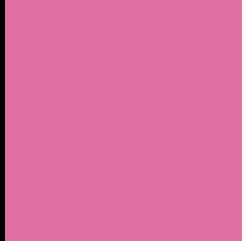
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.8365, 29.9207, 38.1679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

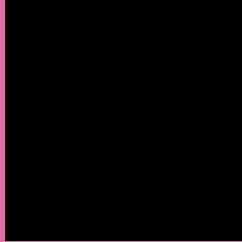
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.8365, 29.9207, 38.1679

Background



This preview shows how black text looks on a background with the XYZ color 42.8365, 29.9207, 38.1679.



This preview shows how white text looks on a background with the XYZ color 42.8365, 29.9207,

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

42.8365, 29.9207, 38.1679

Protanopia

30.2680, 30.3004, 50.7076

Deuteranopia

30.7942, 30.1930, 36.5526



Tritanopia

40.0083, 29.9678, 24.0978

Trichromacy



Original Color

42.8365, 29.9207, 38.1679

Protanomaly

33.2774, 29.0883, 45.9802

Deuteranomaly

34.2611, 29.3804, 37.1229

Tritanomaly

40.8719, 29.7860, 28.7944

Monochromacy



Original Color

42.8365, 29.9207, 38.1679

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

32.9935, 29.6050, 34.9857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8365, 29.9207, 38.1679 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(223, 112, 163)` looks like.

```
.text, #text, p{  
    color:rgb(223, 112, 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(223, 112, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 112, 163) }
```

Border

The CSS property to change the border of an element to XYZ 42.8365, 29.9207, 38.1679 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(223, 112, 163) }
```


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

```
.border{ border-color:rgb(223, 112, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 112, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 112, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 112, 163);  
box-shadow:4px 4px 4px 4px rgb(223, 112,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8365, 29.9207, 38.1679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 112, 163) }
```

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

```
.background{ background-color: rgb(223,  
112, 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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