

Converting Colors

XYZ(41.2881, 27.8738, 59.8876)

Have a look what the booklet for
XYZ(41.2881, 27.8738, 59.8876)
contains.

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Color

**XYZ(41.2140, 27.8063,
59.6949)**

Conversions

Conversions Part 1

Format	Color
Hex	CD6BCB
RGB	205, 107, 203
RGB Percent	80%, 42%, 80%
CMY	0.1961, 0.5804, 0.2039
CMYK	0.00, 0.48, 0.01, 0.20
HSL	301°, 49%, 61%
HSV	301°, 48%, 80%
XYZ	41.2140, 27.8063, 59.6949
YIQ	147.2460, 27.5920, 50.6320

Conversions

Conversions Part 2

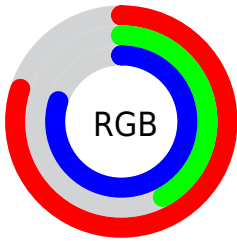
Format	Color
R_{YB}	205, 107, 203
Decimal	13462475
CIE _{Lab}	59.71, 52.10, -33.15
CIE _{LCh}	60, 61.749, 327.531
Yxy	27.8063, 0.3202, 0.2160
Android (android.graphics.Color)	4291652555 (0xFFCD6BCB)
YUV	147.2460, 27.4867, 50.6503
Hunter-Lab	52.7317, 47.2315, -30.2071

Details

The XYZ color **41.2140, 27.8063, 59.6949** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **30.6562, 47.8936, 22.0982**, and the grayscale version is **27.7176, 29.1611, 31.7565**.

A 20% lighter version of the original color is **72.0349, 53.9697, 101.2283**, and **18.8311, 10.9802, 29.1439** is the 20% darker color. If you saturate the color by 10%, you get **39.2752, 24.0077, 58.8031**, and if you desaturate by 10%, it is **43.6615, 32.6206, 60.7574**.

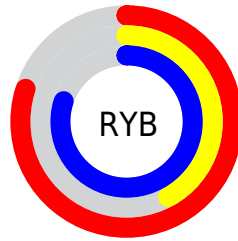
Distribution



Red (80%)

Green (42%)

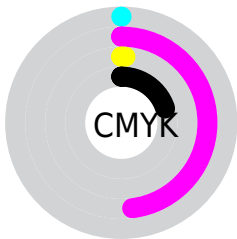
Blue (80%)



Red (80%)

Yellow (42%)

Blue (80%)

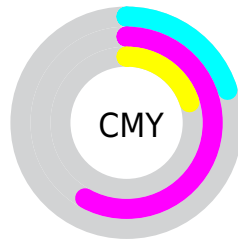


Cyan (0%)

Magenta (48%)

Yellow (1%)

Black (20%)



Cyan (20%)

Magenta (58%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2140, 27.8063, 59.6949 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 41.2140, 27.8063, 59.6949 by changing the saturation by 10% instead.

41.2140, 27.8063,
59.6949

41.2140, 27.8063,
59.6949

342.2616,
291.5402, 441.2456

28.6747, 18.1797,
42.7491

76.2813, 56.1750,
105.9260

18.9780, 11.0791,
29.3583

99.5401, 75.6860,
136.0483

11.7583, 6.1200,
19.1042

127.1027, 99.2605,
171.3999

6.6503, 2.9182,
11.5680

159.3346,
127.2829, 212.3993

3.2888, 1.0892,
6.3313

196.6010,
160.1377, 259.4651

1.3082, 0.0000,
2.9755

239.2675,

0.1894, 0.0000,

198.2093, 313.0157

1.0822

287.6992,
241.8820, 373.4697

■ 0.0000, 0.0000,
0.0000

■ 41.2140, 27.8063,
59.6949

■ 41.2140, 27.8063,
59.6949

■ 39.2752, 24.0077,
58.8031

■ 43.6615, 32.6206,
60.7574

■ 37.8057, 21.1483,
58.0683

■ 46.6475, 38.5126,
61.9998

■ 36.7654, 19.1470,
57.4771


■ 50.2031, 45.5434,
63.4327

■ 36.1060, 17.9072,
57.0135


■ 54.3561, 53.7689,
65.0655


■ 35.7579, 17.2898,
56.6544

■ 59.1326, 63.2410,
66.9067

 35.6982, 17.1877,
56.5812

 64.5569, 74.0086,
68.9645

 70.6522, 86.1181,
71.2467

 72.1202, 88.9725,
71.9871

 72.1712, 88.9929,
72.2559

Harmonies

Analogous

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



33.9876, 27.8063, 86.5918



41.2140, 27.8063, 59.6949



44.4290, 27.8063, 32.1653

Triad

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



41.2140, 27.8063, 59.6949



27.0806, 27.8063, 4.4417



15.2331, 27.8063, 54.7945

Complementary

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



41.2140, 27.8063, 59.6949



30.6562, 47.8936, 22.0982

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.



14.0957, 27.8063, 28.4628



41.2140, 27.8063, 59.6949



20.0835, 27.8063, 5.9237

Square

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



41.2140, 27.8063, 59.6949



35.3286, 27.8063, 6.5696



15.6851, 27.8063, 12.5724



19.1657, 27.8063, 82.9156

Rectangle

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



41.2140, 27.8063, 59.6949



43.4706, 27.8063, 19.0909



15.6851, 27.8063, 12.5724



14.5496, 27.8063, 45.1498

Sweetspot

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



41.2150, 27.8075, 59.6955



84.5827, 79.2529, 104.8332



22.5400, 18.1526, 60.0742



17.7976, 16.3564, 22.3174



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.



41.2150, 27.8075, 59.6955



64.3541, 39.3668, 96.3294



36.2990, 25.8412, 33.8082



11.6773, 11.3996, 14.1012



22.2277, 10.7017, 35.2475



1.1499, 0.5534, 1.8353

Inverse Universe

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



41.2150, 27.8075, 59.6955



64.3541, 39.3668, 96.3294



34.0359, 49.2454, 39.8953



11.6773, 11.3996, 14.1012



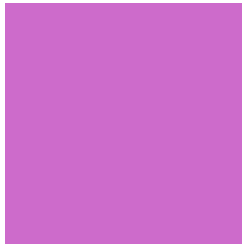
22.2277, 10.7017, 35.2475



1.1499, 0.5534, 1.8353

Previews

White Background



This preview shows how the XYZ color 41.2140, 27.8063, 59.6949 looks on a white background.

Color Contrast Check

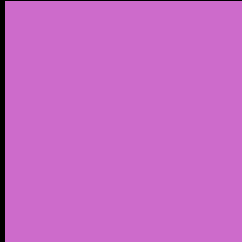
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.2140, 27.8063, 59.6949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

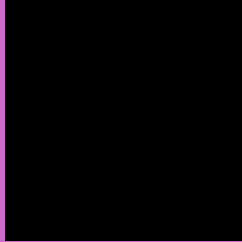
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.2140, 27.8063, 59.6949

Background



This preview shows how black text looks on a background with the XYZ color 41.2140, 27.8063, 59.6949.



This preview shows how white text looks on a background with the XYZ color 41.2140, 27.8063,

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

41.2140, 27.8063, 59.6949

Protanopia

30.3970, 28.1272, 80.1709

Deuteranopia

28.6531, 27.9664, 56.7112



Tritanopia

34.0815, 27.5951, 25.7204

Trichromacy



Original Color

41.2140, 27.8063, 59.6949

Protanomaly

32.4030, 26.8503, 71.8814

Deuteranomaly

31.8694, 26.8920, 57.5438

Tritanomaly

36.0860, 27.3333, 35.7217

Monochromacy



Original Color

41.2140, 27.8063, 59.6949

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

31.3748, 27.6174, 40.2363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2140, 27.8063, 59.6949 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(205, 107, 203)` looks like.

```
.text, #text, p{  
    color:rgb(205, 107, 203)  
}
```

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(205, 107, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 107, 203) }
```

Border

The CSS property to change the border of an element to XYZ 41.2140, 27.8063, 59.6949 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(205, 107, 203) }
```


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

```
.border{ border-color:rgb(205, 107, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 107, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 107, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 107, 203);  
box-shadow:4px 4px 4px 4px rgb(205, 107,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2140, 27.8063, 59.6949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 107, 203) }
```

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

```
.background{ background-color: rgb(205,  
107, 203) }
```

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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