

Converting Colors

XYZ(42.1417, 27.9118, 59.8246)

Have a look what the booklet for
XYZ(42.1417, 27.9118, 59.8246)
contains.

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Color

**XYZ(42.1256, 27.9703,
59.6785)**

Conversions

Conversions Part 1

Format	Color
Hex	D169CB
RGB	209, 105, 203
RGB Percent	82%, 41%, 80%
CMY	0.1804, 0.5882, 0.2039
CMYK	0.00, 0.50, 0.03, 0.18
HSL	303°, 53%, 62%
HSV	303°, 50%, 82%
XYZ	42.1256, 27.9703, 59.6785
YIQ	147.2680, 30.5260, 52.5260

Conversions

Conversions Part 2

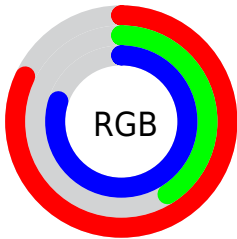
Format	Color
RYB	209, 105, 203
Decimal	13724107
CIELab	59.86, 54.23, -32.88
CIELCh	60, 63.415, 328.771
Yxy	27.9703, 0.3246, 0.2155
Android (android.graphics.Color)	4291914187 (0xFFD169CB)
YUV	147.2680, 27.4759, 54.1390
Hunter-Lab	52.8870, 49.6269, -29.8829

Details

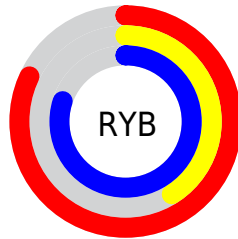
The XYZ color $42.1256, 27.9703, 59.6785$ is a light color, and the websafe version is hex $CC66CC$. A complement of this color would be $31.4967, 49.7530, 22.9839$, and the grayscale version is $27.7260, 29.1699, 31.7661$.

A 20% lighter version of the original color is $71.8608, 53.6216, 101.1703$, and $19.4780, 11.1812, 29.1485$ is the 20% darker color. If you saturate the color by 10%, you get $40.1097, 24.1670, 58.3005$, and if you desaturate by 10%, it is $44.6675, 32.8226, 61.2379$.

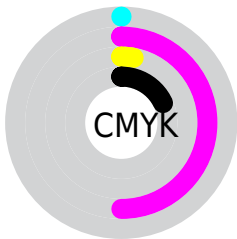
Distribution



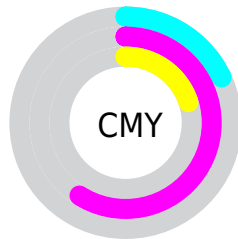
- Red (82%)
- Green (41%)
- Blue (80%)



- Red (82%)
- Yellow (41%)
- Blue (80%)



- Cyan (0%)
- Magenta (50%)
- Yellow (3%)
- Black (18%)



- Cyan (18%)
- Magenta (59%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1256, 27.9703, 59.6785 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 42.1256, 27.9703, 59.6785 by changing the saturation by 10% instead.

42.1256, 27.9703,
59.6785

42.1256, 27.9703,
59.6785

345.9861,
292.3250, 441.1834

29.3912, 18.3033,
42.7359

77.6537, 56.4370,
105.9020

19.5227, 11.1679,
29.3481

101.1780, 76.0055,
136.0199

12.1548, 6.1799,
19.0965

129.0297, 99.6433,
171.3668

6.9222, 2.9548,
11.5625

161.5741,
127.7347, 212.3611

3.4594, 1.1082,
6.3276

199.1766,
160.6642, 259.4214

1.4011, 0.0000,
2.9733

242.2026,

0.2570, 0.0000,

198.8161, 312.9662

1.0810

291.0173,
242.5749, 373.4140

■ 0.0000, 0.0000,
0.0000

■ 42.1256, 27.9703,
59.6785

■ 42.1256, 27.9703,
59.6785

■ 40.1097, 24.1670,
58.3005

■ 44.6675, 32.8226,
61.2379

■ 38.5780, 21.3310,
57.0891

■ 47.7677, 38.7903,
62.9887

■ 37.4870, 19.3745,
56.0300


■ 51.4591, 45.9386,
64.9421


■ 36.7840, 18.1922,
55.1058


■ 55.7714, 54.3268,
67.1080


■ 36.3751, 17.5963,
54.2851

■ 60.7321, 64.0101,
69.4956

 36.3662, 17.5840,
54.2657

 66.3672, 75.0404,
72.1136

 72.7012, 87.4667,
74.9701

 74.0205, 89.8617,
76.1607

 74.1738, 89.9231,
76.9683

Harmonies

Analogous

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



34.7459, 27.9703, 88.1234



42.1256, 27.9703, 59.6785



45.2408, 27.9703, 31.4153

Triad

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



42.1256, 27.9703, 59.6785



26.9182, 27.9703, 4.1664



15.2012, 27.9703, 57.1376

Complementary

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



42.1256, 27.9703, 59.6785



31.4967, 49.7530, 22.9839

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.



13.9257, 27.9703, 29.5143



42.1256, 27.9703, 59.6785



19.8137, 27.9703, 5.7901

Square

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



42.1256, 27.9703, 59.6785



35.4376, 27.9703, 6.1101



15.4309, 27.9703, 12.7777



19.3449, 27.9703, 86.2075

Rectangle

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



42.1256, 27.9703, 59.6785



44.0833, 27.9703, 18.3091



15.4309, 27.9703, 12.7777



14.4647, 27.9703, 47.0483

Sweetspot

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



42.1266, 27.9716, 59.6791



83.6851, 77.8356, 103.3688



23.0169, 18.0359, 62.5906



17.6102, 16.0731, 21.9725



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.



42.1266, 27.9716, 59.6791



62.6523, 37.4271, 91.2491



36.9984, 25.9203, 32.6746



12.2801, 11.9968, 14.7509



22.4348, 10.8468, 33.5254



1.2636, 0.6102, 1.9228

Inverse Universe

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



42.1266, 27.9716, 59.6791



62.6523, 37.4271, 91.2491



35.1668, 51.2210, 42.3103



12.2801, 11.9968, 14.7509



22.4348, 10.8468, 33.5254



1.2636, 0.6102, 1.9228

Previews

White Background



This preview shows how the XYZ color 42.1256, 27.9703, 59.6785 looks on a white background.

Color Contrast Check

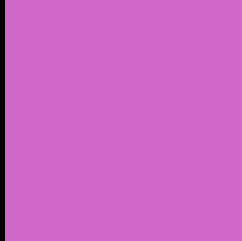
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.1256, 27.9703, 59.6785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

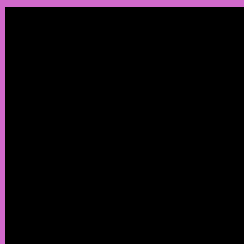
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.1256, 27.9703, 59.6785

Background



This preview shows how black text looks on a background with the XYZ color 42.1256, 27.9703, 59.6785.

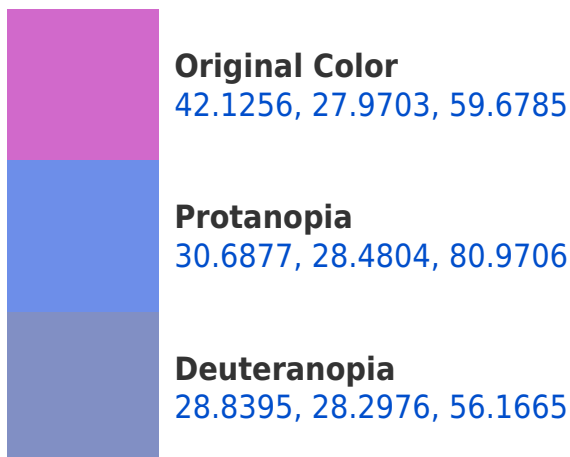


This preview shows how white text looks on a background with the XYZ color 42.1256, 27.9703,

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





Tritanopia

34.8757, 27.8371, 25.0077

Trichromacy



Original Color

42.1256, 27.9703, 59.6785



Protanomaly

32.7121, 26.9942, 72.5935



Deuteranomaly

32.2596, 27.0931, 57.5621



Tritanomaly

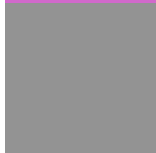
36.9598, 27.6216, 35.2818

Monochromacy



Original Color

42.1256, 27.9703, 59.6785



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

31.8039, 27.8386, 40.2564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1256, 27.9703, 59.6785 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(209, 105, 203)` looks like.

```
.text, #text, p{  
    color:rgb(209, 105, 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(209, 105, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 105, 203) }
```

Border

The CSS property to change the border of an element to XYZ 42.1256, 27.9703, 59.6785 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(209, 105, 203) }
```


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

```
.border{ border-color:rgb(209, 105, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 105, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 105, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 105, 203);  
box-shadow:4px 4px 4px 4px rgb(209, 105,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1256, 27.9703, 59.6785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 105, 203) }
```

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

```
.background{ background-color: rgb(209,  
105, 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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