

Converting Colors

XYZ(42.2485, 27.4887, 70.7891)

Have a look what the booklet for
XYZ(42.2485, 27.4887, 70.7891)
contains.

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Color

**XYZ(42.1256, 27.4244,
70.7833)**

Conversions

Conversions Part 1

Format	Color
Hex	CA67DC
RGB	202, 103, 220
RGB Percent	79%, 40%, 86%
CMY	0.2078, 0.5961, 0.1373
CMYK	0.08, 0.53, 0.00, 0.14
HSL	291°, 63%, 63%
HSV	291°, 53%, 86%
XYZ	42.1256, 27.4244, 70.7833
YIQ	145.9390, 21.4470, 57.3750

Conversions

Conversions Part 2

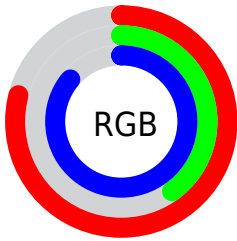
Format	Color
R _Y B	202, 103, 220
Decimal	13264860
CIE Lab	59.37, 56.37, -43.32
CIE LCh	59, 71.088, 322.460
Yxy	27.4244, 0.3002, 0.1954
Android (android.graphics.Color)	4291454940 (0xFFCA67DC)
YUV	145.9390, 36.5121, 49.1655
Hunter-Lab	52.3683, 51.9427, -43.4811

Details

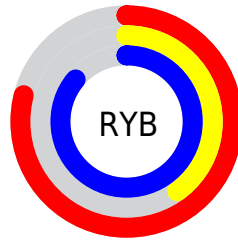
The XYZ color **42.1256, 27.4244, 70.7833** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **35.9275, 56.2313, 21.7934**, and the grayscale version is **27.1468, 28.5605, 31.1024**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **19.4348, 10.8140, 36.1849** is the 20% darker color. If you saturate the color by 10%, you get **39.3128, 23.1427, 70.1055**, and if you desaturate by 10%, it is **45.5361, 32.8699, 71.6551**.

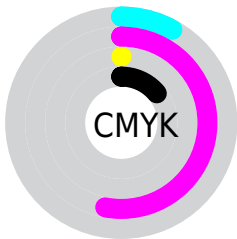
Distribution



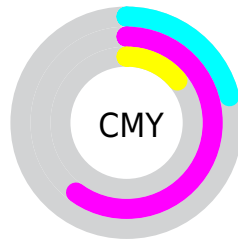
- Red (79%)
- Green (40%)
- Blue (86%)



- Red (79%)
- Yellow (40%)
- Blue (86%)



- Cyan (8%)
- Magenta (53%)
- Yellow (0%)
- Black (14%)





- Cyan (21%)
- Magenta (60%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1256, 27.4244, 70.7833 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, 27.4244, 70.7833 by changing the saturation by 10% instead.


 42.1256, 27.4244,
70.7833


 42.1256, 27.4244,
70.7833

345.9861,
289.7062, 482.1588


 29.3912, 17.8922,
51.6846


 77.6537, 55.5641,
122.0167


 19.5227, 10.8726,
36.3733


 101.1780, 74.9405,
154.9885

 12.1548, 5.9813,
24.4306


 129.0297, 98.3670,
193.4217

 6.9222, 2.8337,
15.4382

 161.5741,
126.2281, 237.7350

 3.4594, 1.0455,
8.9775

199.1766,
158.9082, 288.3468

 1.4011, 0.0000,
4.6299

242.2026,

 0.2570, 0.0000,

196.7916, 345.6757

1.9769

291.0173,
240.2628, 410.1401

■ 0.0000, 0.0000,
0.5410

■ 0.0000, 0.0000,
0.0000

■ 42.1256, 27.4244,
70.7833

■ 42.1256, 27.4244,
70.7833

■ 39.3128, 23.1427,
70.1055

■ 45.5361, 32.8699,
71.6551

■ 37.0483, 19.9288,
69.6045


■ 49.5825, 39.5582,
72.7328


■ 35.2798, 17.6774,
69.2632

■ 54.3034, 47.5653,
74.0295


■ 33.9426, 16.2594,
69.0599


■ 59.7334, 56.9601,
75.5567


 33.2057, 15.6258,
68.9765

 65.9046, 67.8068,
77.3250

 72.8471, 80.1654,
79.3446

 79.9463, 92.8066,
81.4104

 81.0164, 93.3582,
81.4605

 82.1074, 93.9207,
81.5115

Harmonies

Analogous

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



33.1654, 27.4244, 101.9100



42.1256, 27.4244, 70.7833



46.9770, 27.4244, 36.7645

Triad

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



42.1256, 27.4244, 70.7833



28.3768, 27.4244, 2.8621



13.2342, 27.4244, 52.7692

Complementary

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



42.1256, 27.4244, 70.7833



35.9275, 56.2313, 21.7934

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.



12.5158, 27.4244, 23.8800



42.1256, 27.4244, 70.7833



20.0599, 27.4244, 3.6088

Square

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



42.1256, 27.4244, 70.7833



37.9452, 27.4244, 5.4202



14.7155, 27.4244, 8.8469



16.9676, 27.4244, 88.0159

Rectangle

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



42.1256, 27.4244, 70.7833



46.6003, 27.4244, 20.4858



14.7155, 27.4244, 8.8469



12.6728, 27.4244, 41.7314

Sweetspot

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



42.1266, 27.4256, 70.7839



81.1155, 75.5033, 104.9061



25.5340, 22.0944, 70.6294



17.0205, 15.5689, 22.3580



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, 27.4256, 70.7839



54.4585, 31.6449, 97.8455



42.7068, 28.2535, 46.9197



13.4074, 13.1681, 16.4872



19.5647, 9.2102, 40.4850



1.3218, 0.6247, 2.6254

Inverse Universe

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



37.8175, 26.2978, 21.1732



48.2553, 30.1619, 20.0795



36.0702, 56.0237, 34.5051



13.1373, 13.0840, 13.9842



17.5163, 9.0076, 1.8328



1.1609, 0.5940, 0.2562

Previews

White Background



This preview shows how the XYZ color 42.1256, 27.4244, 70.7833 looks on a white background.

Color Contrast Check

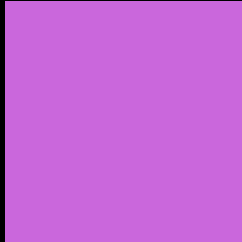
Large Text (above 18pt) WCAG AA ✓ Pass

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, 27.4244, 70.7833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

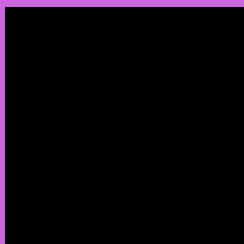
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.1256, 27.4244, 70.7833

Background



This preview shows how black text looks on a background with the XYZ color 42.1256, 27.4244, 70.7833.



This preview shows how white text looks on a background with the XYZ color 42.1256, 27.4244,

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

42.1256, 27.4244, 70.7833

Protanopia

31.4221, 28.0722, 96.6909

Deuteranopia

28.3653, 27.5948, 66.7821



Tritanopia

32.8719, 27.3356, 26.0980

Trichromacy



Original Color

42.1256, 27.4244, 70.7833



Protanomaly

32.8266, 26.3549, 86.5759



Deuteranomaly

31.7909, 26.4160, 68.3890



Tritanomaly

35.4010, 26.9085, 38.9253

Monochromacy



Original Color

42.1256, 27.4244, 70.7833



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

31.2513, 27.0894, 43.1168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1256, 27.4244, 70.7833 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(202, 103, 220)` looks like.

```
.text, #text, p{  
    color:rgb(202, 103, 220)  
}
```

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(202, 103, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 103, 220) }
```

Border

The CSS property to change the border of an element to XYZ 42.1256, 27.4244, 70.7833 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(202, 103, 220) }
```


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

```
.border{ border-color:rgb(202, 103, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 103, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 103, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 103, 220);  
box-shadow:4px 4px 4px 4px rgb(202, 103,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1256, 27.4244, 70.7833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 103, 220) }
```

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

```
.background{ background-color: rgb(202,  
103, 220) }
```

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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