

Converting Colors

XYZ(42.8966, 28.4548, 60.6320)

Have a look what the booklet for
XYZ(42.8966, 28.4548, 60.6320)
contains.

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Color

**XYZ(42.9171, 28.5166,
60.3690)**

Conversions

Conversions Part 1

Format	Color
Hex	D36ACC
RGB	211, 106, 204
RGB Percent	83%, 42%, 80%
CMY	0.1725, 0.5843, 0.2000
CMYK	0.00, 0.50, 0.03, 0.17
HSL	304°, 54%, 62%
HSV	304°, 50%, 83%
XYZ	42.9171, 28.5166, 60.3690
YIQ	148.5670, 31.1220, 52.7380

Conversions

Conversions Part 2

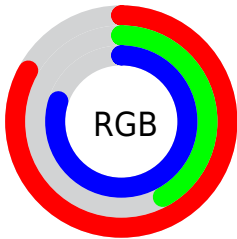
Format	Color
R _Y B	211, 106, 204
Decimal	13855436
CIE _{Lab}	60.35, 54.48, -32.66
CIE _{LCh}	60, 63.524, 329.059
Y _{xy}	28.5166, 0.3256, 0.2164
Android (android.graphics.Color)	4292045516 (0xFFD36ACC)
Y _{UV}	148.5670, 27.3285, 54.7537
Hunter-Lab	53.4009, 50.0047, -29.6458

Details

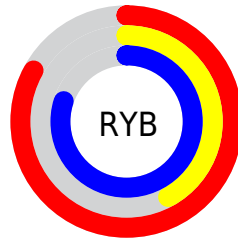
The XYZ color **42.9171, 28.5166, 60.3690** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **32.2200, 50.8461, 23.7406**, and the grayscale version is **28.2663, 29.7384, 32.3851**.

A 20% lighter version of the original color is **72.0349, 53.9697, 101.2283**, and **19.9351, 11.4076, 29.5850** is the 20% darker color. If you saturate the color by 10%, you get **40.8365, 24.6236, 58.8469**, and if you desaturate by 10%, it is **45.5360, 33.4825, 62.0786**.

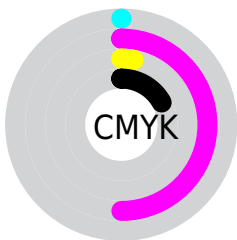
Distribution



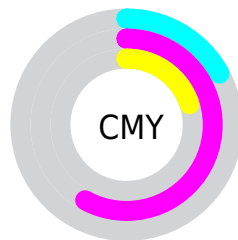
- Red (83%)
- Green (42%)
- Blue (80%)



- Red (83%)
- Yellow (42%)
- Blue (80%)



- Cyan (0%)
- Magenta (50%)
- Yellow (3%)
- Black (17%)





- Cyan (17%)
- Magenta (58%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9171, 28.5166, 60.3690 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 42.9171, 28.5166, 60.3690 by changing the saturation by 10% instead.

 42.9171, 28.5166,
60.3690

 42.9171, 28.5166,
60.3690


349.1980,
294.9273, 443.7989

 30.0143, 18.7154,
43.2889


 78.8422, 57.3082,
106.9134


 19.9976, 11.4648,
29.7788


 102.5953, 77.0674,
137.2147

 12.5015, 6.3804,
19.4201


 130.6958,
100.9147, 172.7602

 7.1608, 3.0777,
11.7943

 163.5092,
129.2346, 213.9684

 3.6101, 1.1725,
6.4830

201.4007,
162.4114, 261.2578

 1.4840, 0.0390,
3.0674

244.7358,

 0.3149, 0.0000,

200.8295, 315.0470

1.1292

293.8798,
244.8733, 375.7545

■ 0.0000, 0.0000,
0.0000

■ 42.9171, 28.5166,
60.3690

■ 42.9171, 28.5166,
60.3690

■ 40.8365, 24.6236,
58.8469

■ 45.5360, 33.4825,
62.0786

■ 39.2514, 21.7198,
57.4972

■ 48.7263, 39.5893,
63.9859

■ 38.1171, 19.7153,
56.3053

■ 52.5216, 46.9038,
66.1024

■ 37.3799, 18.5024,
55.2532

■ 56.9524, 55.4867,
68.4384

■ 36.9440, 17.8897,
54.3089

■ 62.0467, 65.3943,
71.0031

36.9347, 17.8772,
54.2868

67.8313, 76.6799,
73.8056

74.3312, 89.3937,
76.8541

74.9229, 90.2885,
77.9408

75.1048, 90.3613,
78.8987

Harmonies

Analogous

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



35.4642, 28.5166, 89.2441



42.9171, 28.5166, 60.3690



46.0204, 28.5166, 31.7941

Triad

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



42.9171, 28.5166, 60.3690



27.3629, 28.5166, 4.3036



15.5695, 28.5166, 58.3982

Complementary

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



42.9171, 28.5166, 60.3690



32.2200, 50.8461, 23.7406

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.



14.2452, 28.5166, 30.3170



42.9171, 28.5166, 60.3690



20.1734, 28.5166, 6.0017

Square

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



42.9171, 28.5166, 60.3690



36.0012, 28.5166, 6.2520



15.7483, 28.5166, 13.1985



19.8088, 28.5166, 87.7595

Rectangle

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



42.9171, 28.5166, 60.3690



44.8097, 28.5166, 18.5636



15.7483, 28.5166, 13.1985



14.8114, 28.5166, 48.1613

Sweetspot

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



42.9181, 28.5179, 60.3696



83.6305, 77.8137, 103.0813



23.7233, 18.5234, 63.9539



17.5969, 16.0678, 21.9024



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.



42.9181, 28.5179, 60.3696



62.4421, 37.3430, 90.1420



37.6458, 26.4090, 32.6063



12.2754, 11.9949, 14.7258



22.3049, 10.7948, 32.8414



1.2576, 0.6078, 1.8915

Inverse Universe

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



42.9181, 28.5179, 60.3696



62.4421, 37.3430, 90.1420



36.0765, 52.3886, 44.0484



12.2754, 11.9949, 14.7258



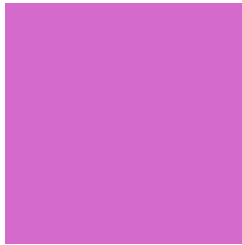
22.3049, 10.7948, 32.8414



1.2576, 0.6078, 1.8915

Previews

White Background



This preview shows how the XYZ color 42.9171, 28.5166, 60.3690 looks on a white background.

Color Contrast Check

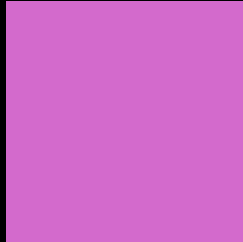
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9171, 28.5166, 60.3690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

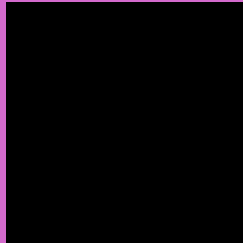
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.9171, 28.5166, 60.3690

Background



This preview shows how black text looks on a background with the XYZ color 42.9171, 28.5166, 60.3690.



This preview shows how white text looks on a background with the XYZ color 42.9171, 28.5166,

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

42.9171, 28.5166, 60.3690

Protanopia

31.2483, 28.9581, 82.5398

Deuteranopia

29.4114, 28.8030, 56.8327



Tritanopia

35.6049, 28.3884, 25.4327

Trichromacy



Original Color

42.9171, 28.5166, 60.3690



Protanomaly

33.4698, 27.5501, 74.0747



Deuteranomaly

32.9052, 27.6090, 58.2384



Tritanomaly

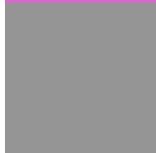
37.7097, 28.1703, 35.7977

Monochromacy



Original Color

42.9171, 28.5166, 60.3690



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

32.5622, 28.4103, 41.3036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9171, 28.5166, 60.3690 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(211, 106, 204)` looks like.

```
.text, #text, p{  
    color:rgb(211, 106, 204)  
}
```

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(211, 106, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 106, 204) }
```

Border

The CSS property to change the border of an element to XYZ 42.9171, 28.5166, 60.3690 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(211, 106, 204) }
```


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

```
.border{ border-color:rgb(211, 106, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 106, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(211, 106, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(211, 106, 204); box-shadow:4px 4px 4px 4px rgb(211, 106, 204) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9171, 28.5166, 60.3690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 106, 204) }
```

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

```
.background{ background-color: rgb(211,  
106, 204) }
```

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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