

Converting Colors

XYZ(45.1026, 28.1618, 72.0603)

Have a look what the booklet for
XYZ(45.1026, 28.1618, 72.0603)
contains.

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Color

**XYZ(45.2841, 28.3054,
72.1840)**

Conversions

Conversions Part 1

Format	Color
Hex	D662DE
RGB	214, 98, 222
RGB Percent	84%, 38%, 87%
CMY	0.1608, 0.6157, 0.1294
CMYK	0.04, 0.56, 0.00, 0.13
HSL	296°, 65%, 63%
HSV	296°, 56%, 87%
XYZ	45.2841, 28.3054, 72.1840
YIQ	146.8200, 29.3320, 63.1560

Conversions

Conversions Part 2

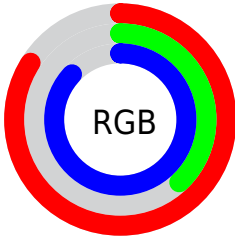
Format	Color
R_{YB}	214, 98, 222
Decimal	14050014
CIE _{Lab}	60.16, 62.22, -43.07
CIE _{LCh}	60, 75.679, 325.308
Yxy	28.3054, 0.3106, 0.1942
Android (android.graphics.Color)	4292240094 (0xFFD662DE)
YUV	146.8200, 37.0637, 58.9169
Hunter-Lab	53.2028, 58.8271, -43.2009

Details

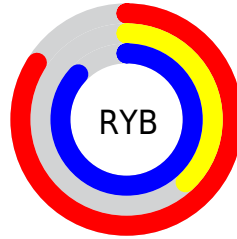
The XYZ color **45.2841, 28.3054, 72.1840** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **34.2705, 56.1892, 20.5958**, and the grayscale version is **27.5033, 28.9356, 31.5109**.

A 20% lighter version of the original color is **70.8456, 51.5912, 100.8319**, and **21.3520, 11.3387, 37.1396** is the 20% darker color. If you saturate the color by 10%, you get **43.0718, 24.4979, 71.5661**, and if you desaturate by 10%, it is **48.0780, 33.2691, 72.9952**.

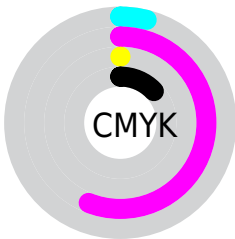
Distribution



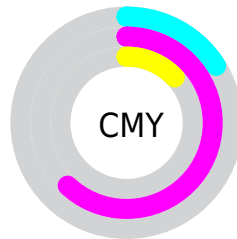
- Red (84%)
- Green (38%)
- Blue (87%)



- Red (84%)
- Yellow (38%)
- Blue (87%)



- Cyan (4%)
- Magenta (56%)
- Yellow (0%)
- Black (13%)





- Cyan (16%)
- Magenta (62%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2841, 28.3054, 72.1840 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 45.2841, 28.3054, 72.1840 by changing the saturation by 10% instead.


 45.2841, 28.3054,
72.1840

 45.2841, 28.3054,
72.1840


358.6873,
293.9234, 487.1765


 31.8835, 18.5560,
52.8212

 82.3810, 56.9717,
124.0282


 21.4276, 11.3499,
37.2733


 106.8080, 76.6573,
157.3468

 13.5512, 6.3027,
25.1218


 135.6412,
100.4238, 196.1544

 7.8888, 3.0300,
15.9479

 169.2459,
128.6556, 240.8696

 4.0751, 1.1474,
9.3334

207.9876,
161.7371, 291.9108

 1.7447, 0.0181,
4.8595

252.2314,

 0.4840, 0.0000,

200.0526, 349.6967

2.1078

302.3429,
243.9866, 414.6457

■ 0.0000, 0.0000,
0.6204

■ 0.0000, 0.0000,
0.0000

■ 45.2841, 28.3054,
72.1840

■ 45.2841, 28.3054,
72.1840

■ 43.0718, 24.4979,
71.5661

■ 48.0780, 33.2691,
72.9952

■ 41.3892, 21.7449,
71.1234


■ 51.4937, 39.4719,
74.0125


■ 40.1801, 19.9337,
70.8375

■ 55.5716, 46.9934,
75.2493


■ 39.3742, 18.9234,
70.6850


■ 60.3475, 55.9055,
76.7178


 39.1074, 18.6375,
70.6439

 65.8548, 66.2750,
78.4291

 72.1249, 78.1643,
80.3935

 79.1869, 91.6322,
82.6208

 80.1394, 92.8753,
82.8106

 80.5889, 93.1071,
82.8316

Harmonies

Analogous

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



35.6664, 28.3054, 108.4464



45.2841, 28.3054, 72.1840



50.0333, 28.3054, 35.3876

Triad

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



45.2841, 28.3054, 72.1840



28.4544, 28.3054, 2.3763



13.3452, 28.3054, 59.6704

Complementary

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



45.2841, 28.3054, 72.1840



34.2705, 56.1892, 20.5958

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.



12.2942, 28.3054, 26.6630



45.2841, 28.3054, 72.1840



19.7080, 28.3054, 3.3872

Square

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



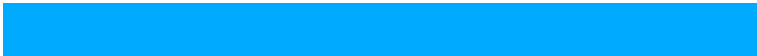
45.2841, 28.3054, 72.1840



38.9434, 28.3054, 4.4890



14.3219, 28.3054, 9.3520



17.6424, 28.3054, 98.6713

Rectangle

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



45.2841, 28.3054, 72.1840



49.1348, 28.3054, 18.7842



14.3219, 28.3054, 9.3520



12.6523, 28.3054, 47.1359

Sweetspot

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



45.2851, 28.3067, 72.1846



81.7247, 74.8656, 104.7509



23.4044, 18.2350, 71.3938



17.1976, 15.4727, 22.3301



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.



45.2851, 28.3067, 72.1846



58.5329, 32.8133, 97.8563



41.5855, 27.1032, 40.2170



14.2032, 13.8883, 17.3198



23.2655, 11.0891, 41.9625



1.6394, 0.7824, 2.9099

Inverse Universe

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



37.0942, 25.3066, 16.5662



46.4953, 28.4533, 13.9088



36.8049, 57.0982, 38.6739



13.7429, 13.7148, 14.4164



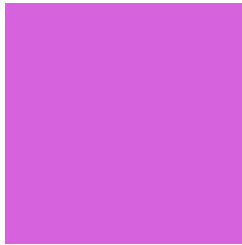
17.9556, 9.2493, 1.1663



1.2574, 0.6462, 0.1482

Previews

White Background



This preview shows how the XYZ color 45.2841, 28.3054, 72.1840 looks on a white background.

Color Contrast Check

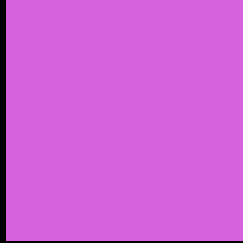
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.2841, 28.3054, 72.1840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

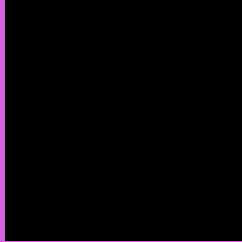
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.2841, 28.3054, 72.1840

Background



This preview shows how black text looks on a background with the XYZ color 45.2841, 28.3054, 72.1840.



This preview shows how white text looks on a background with the XYZ color 45.2841, 28.3054,

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

45.2841, 28.3054, 72.1840

Protanopia

32.2372, 28.8932, 98.4856

Deuteranopia

29.3133, 28.5146, 67.5772



Tritanopia

35.6849, 28.2543, 25.0456

Trichromacy



Original Color

45.2841, 28.3054, 72.1840



Protanomaly

33.9550, 26.7111, 88.1602



Deuteranomaly

33.0627, 26.8639, 69.0883



Tritanomaly

38.3381, 27.7560, 38.4588

Monochromacy



Original Color

45.2841, 28.3054, 72.1840



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

32.2848, 27.4144, 43.6343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2841, 28.3054, 72.1840 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(214, 98, 222)` looks like.

```
.text, #text, p{  
    color:rgb(214, 98, 222)  
}
```

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(214, 98, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 98, 222) }
```

Border

The CSS property to change the border of an element to XYZ 45.2841, 28.3054, 72.1840 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(214, 98, 222) }
```


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

```
.border{ border-color:rgb(214, 98, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 98, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 98, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 98, 222);  
box-shadow:4px 4px 4px 4px rgb(214, 98,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2841, 28.3054, 72.1840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 98, 222) }
```

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

```
.background{ background-color: rgb(214, 98,  
222) }
```

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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