

# Converting Colors

XYZ(42.5896, 26.5187, 62.2513)

Have a look what the booklet for  
XYZ(42.5896, 26.5187, 62.2513)  
contains.

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# Color

**XYZ(42.7401, 26.5289,  
62.5424)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D55DD0
RGB	213, 93, 208
RGB Percent	84%, 36%, 82%
CMY	0.1647, 0.6353, 0.1843
CMYK	0.00, 0.56, 0.02, 0.16
HSL	303°, 59%, 60%
HSV	303°, 56%, 84%
XYZ	42.7401, 26.5289, 62.5424
YIQ	141.9900, 34.6050, 61.2050

# Conversions

## Conversions Part 2

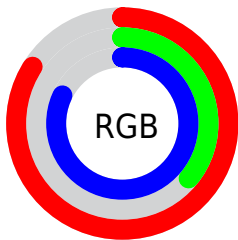
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 93, 208
Decimal	13983184
CIE <sub>Lab</sub>	58.54, 61.79, -37.74
CIE <sub>LCh</sub>	59, 72.403, 328.581
Yxy	26.5289, 0.3243, 0.2013
Android (android.graphics.Color)	4292173264 (0xFFD55DD0)
YUV	141.9900, 32.5429, 62.2758
Hunter-Lab	51.5062, 57.9843, -35.9397

# Details

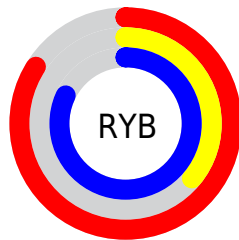
The XYZ color **42.7401, 26.5289, 62.5424** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **30.5143, 50.7986, 19.7537**, and the grayscale version is **25.5741, 26.9059, 29.3006**.

A 20% lighter version of the original color is **70.0374, 49.9749, 100.5625**, and **19.8112, 10.3562, 31.0918** is the 20% darker color. If you saturate the color by 10%, you get **41.0156, 23.2536, 61.4304**, and if you desaturate by 10%, it is **44.9876, 30.8480, 63.8322**.

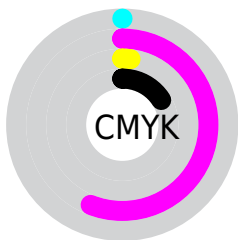
# Distribution



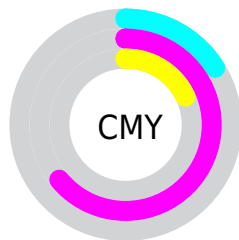
- Red (84%)
- Green (36%)
- Blue (82%)



- Red (84%)
- Yellow (36%)
- Blue (82%)



- Cyan (0%)
- Magenta (56%)
- Yellow (2%)
- Black (16%)



- Cyan (16%)
- Magenta (64%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7401, 26.5289, 62.5424 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 42.7401, 26.5289, 62.5424 by changing the saturation by 10% instead.



42.7401, 26.5289,  
62.5424

42.7401, 26.5289,  
62.5424

348.4815,  
285.3688, 451.9690

29.8749, 17.2197,  
45.0325

78.5767, 54.1270,  
110.0883

19.8912, 10.3913,  
31.1399

102.2787, 73.1847,  
140.9613

12.4238, 5.6592,  
20.4460

130.3238, 96.2607,  
177.1258

7.1072, 2.6390,  
12.5324

163.0772,  
123.7393, 219.0003

3.5762, 0.9463,  
6.9804

200.9043,  
156.0051, 267.0033

1.4653, 0.0000,  
3.3716

244.1705,

0.3020, 0.0000,

193.4423, 321.5534

1.2874

293.2411,  
236.4355, 383.0691

■ 0.0000, 0.0000,  
0.0514

■ 0.0000, 0.0000,  
0.0000

■ 42.7401, 26.5289,  
62.5424

■ 42.7401, 26.5289,  
62.5424

■ 41.0156, 23.2536,  
61.4304

■ 44.9876, 30.8480,  
63.8322

■ 39.7669, 20.9295,  
60.4798


■ 47.7947, 36.2858,  
65.3113


■ 38.9431, 19.4543,  
59.6739


■ 51.1978, 42.9148,  
66.9921


■ 38.4788, 18.6970,  
58.9908


■ 55.2295, 50.8001,  
68.8855


 38.3550, 18.5119,  
58.7566

 59.9202, 60.0022,  
71.0015

 65.2981, 70.5778,  
73.3497

 71.3898, 82.5800,  
75.9389

 75.4798, 90.5779,  
77.8638

 75.5943, 90.6237,  
78.4667

# Harmonies

## Analogous

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



34.2814, 26.5289, 96.4677



42.7401, 26.5289, 62.5424



46.3849, 26.5289, 30.1110

# Triad

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



42.7401, 26.5289, 62.5424



25.6393, 26.5289, 2.4068



13.0120, 26.5289, 59.1037

# Complementary

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



42.7401, 26.5289, 62.5424



30.5143, 50.7986, 19.7537

# 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.



11.7239, 26.5289, 27.6936



42.7401, 26.5289, 62.5424



17.9070, 26.5289, 3.7257

# Square

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



42.7401, 26.5289, 62.5424



35.1864, 26.5289, 4.0428



13.2855, 26.5289, 10.1779



17.3314, 26.5289, 93.7923



# Rectangle

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



42.7401, 26.5289, 62.5424



45.0712, 26.5289, 15.9539



13.2855, 26.5289, 10.1779



12.2621, 26.5289, 47.4030

# Sweetspot

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



42.7410, 26.5301, 62.5429



82.4565, 75.2763, 103.2739



20.8556, 15.1755, 64.7817



17.3726, 15.5709, 21.9768



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.



42.7410, 26.5301, 62.5429



61.1354, 33.9977, 91.9628



36.7809, 24.1461, 31.1574



12.9296, 12.6234, 15.5697



23.4384, 11.3117, 35.9422



1.4208, 0.6851, 2.2052



# Inverse Universe

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



42.7410, 26.5301, 62.5429



61.1354, 33.9977, 91.9628



34.3955, 52.3511, 40.1917



12.9296, 12.6234, 15.5697



23.4384, 11.3117, 35.9422

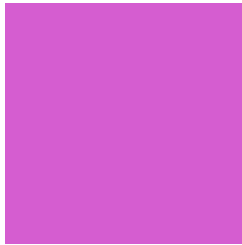


1.4208, 0.6851, 2.2052



# Previews

## White Background



This preview shows how the XYZ color 42.7401, 26.5289, 62.5424 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

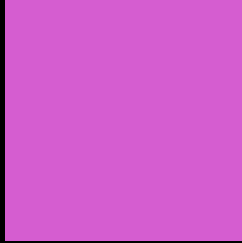
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 42.7401, 26.5289, 62.5424 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

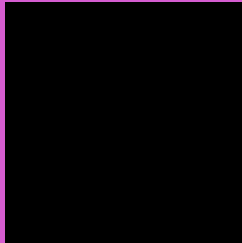
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.7401, 26.5289, 62.5424**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.7401, 26.5289, 62.5424.



This preview shows how white text looks on a background with the XYZ color 42.7401, 26.5289,



# 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

42.7401, 26.5289, 62.5424

### Protanopia

30.2906, 27.1677, 91.6431

### Deuteranopia

27.5491, 26.9194, 58.3875



## Tritanopia

34.3974, 26.4132, 22.3541

# Trichromacy



## Original Color

42.7401, 26.5289, 62.5424



## Protanomaly

31.8209, 25.0365, 80.2462



## Deuteranomaly

31.1889, 25.3477, 59.7487



## Tritanomaly

36.9062, 26.1473, 34.1121

# Monochromacy



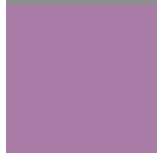
## Original Color

42.7401, 26.5289, 62.5424



## Achromatopsia

25.7108, 27.0498, 29.4572



## Achromatomaly

30.2390, 25.4933, 39.4033

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.7401, 26.5289, 62.5424 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(213, 93, 208)` looks like.

```
.text, #text, p{  
    color:rgb(213, 93, 208)  
}
```

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(213, 93, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 93, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 42.7401, 26.5289, 62.5424 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(213, 93, 208) }
```



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

```
.border{ border-color:rgb(213, 93, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 93, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 93, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 93, 208);  
box-shadow:4px 4px 4px 4px rgb(213, 93,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.7401, 26.5289, 62.5424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 93, 208) }
```

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

```
.background{ background-color: rgb(213, 93,  
208) }
```

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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