

# Converting Colors

XYZ(41.2940, 26.8915, 79.3529)

Have a look what the booklet for  
XYZ(41.2940, 26.8915, 79.3529)  
contains.

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# Color

**XYZ(41.2540, 26.9333,  
79.3682)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C068E8
RGB	192, 104, 232
RGB Percent	75%, 41%, 91%
CMY	0.2471, 0.5921, 0.0902
CMYK	0.17, 0.55, 0.00, 0.09
HSL	281°, 74%, 66%
HSV	281°, 55%, 91%
XYZ	41.2540, 26.9333, 79.3682
YIQ	144.9040, 11.3600, 58.4640

# Conversions

## Conversions Part 2

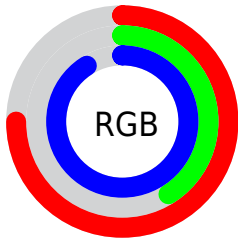
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	192, 104, 232
Decimal	12609768
CIE <sub>Lab</sub>	58.91, 55.67, -50.83
CIE <sub>LCh</sub>	59, 75.388, 317.600
Yxy	26.9333, 0.2796, 0.1825
Android (android.graphics.Color)	4290799848 (0xFFC068E8)
YUV	144.9040, 42.9383, 41.3032
Hunter-Lab	51.8973, 51.0722, -54.3460

# Details

The XYZ color **41.2540, 26.9333, 79.3682** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **42.8576, 64.6426, 23.3162**, and the grayscale version is **26.7038, 28.0945, 30.5949**.

A 20% lighter version of the original color is **70.0605, 52.1829, 100.9875**, and **18.9687, 10.5667, 42.1141** is the 20% darker color. If you saturate the color by 10%, you get **37.4413, 21.9655, 78.6107**, and if you desaturate by 10%, it is **45.8014, 33.2343, 80.3452**.

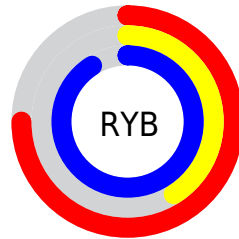
# Distribution



Red (75%)

Green (41%)

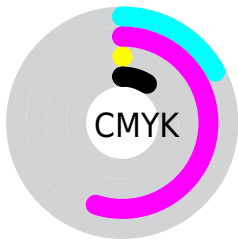
Blue (91%)



Red (75%)

Yellow (41%)

Blue (91%)

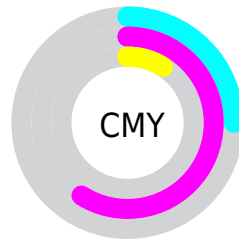


Cyan (17%)

Magenta (55%)

Yellow (0%)

Black (9%)



Cyan (25%)

Magenta (59%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2540, 26.9333, 79.3682 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 41.2540, 26.9333, 79.3682 by changing the saturation by 10% instead.




 41.2540, 26.9333,  
79.3682


 41.2540, 26.9333,  
79.3682

342.4256,  
287.3340, 512.4516


 28.7062, 17.5231,  
58.6755


 76.3416, 54.7768,  
134.2804


 19.0018, 10.6082,  
41.9336


 99.6121, 73.9790,  
169.3371

 11.7756, 5.8040,  
28.7242


 127.1874, 97.2139,  
210.0187

 6.6622, 2.7263,  
18.6285

 159.4331,  
124.8660, 256.7440

 3.2962, 0.9906,  
11.2280

196.7144,  
157.3196, 309.9313

 1.3123, 0.0000,  
6.1043

239.3967,

 0.1924, 0.0000,

194.9593, 369.9994

2.8388

287.8453,  
238.1693, 437.3666

■ 0.0000, 0.0000,  
1.0129

■ 0.0000, 0.0000,  
0.0000

■ 41.2540, 26.9333,  
79.3682

■ 41.2540, 26.9333,  
79.3682

■ 37.4413, 21.9655,  
78.6107

■ 45.8014, 33.2343,  
80.3452

■ 34.3048, 18.2188,  
78.0528

■ 51.1297, 40.9619,  
81.5559

■ 31.7814, 15.5677,  
77.6741

■ 57.2844, 50.2044,  
83.0155

■ 29.7924, 13.8571,  
77.4488

■ 64.3067, 61.0423,  
84.7373

■ 28.9633, 13.2485,  
77.3750

■ 72.2347, 73.5500,  
86.7337

■ 81.1041, 87.7974,  
89.0163

■ 87.2020, 96.3567,  
90.3470

■ 89.7504, 97.6705,  
90.4663

■ 91.5656, 98.6062,  
90.5512

# Harmonies

## Analogous

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



31.4126, 26.9333, 110.5561



41.2540, 26.9333, 79.3682



47.4080, 26.9333, 41.7927

# Triad

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



41.2540, 26.9333, 79.3682



29.6459, 26.9333, 2.3305



12.0297, 26.9333, 47.7542

# Complementary

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



41.2540, 26.9333, 79.3682



42.8576, 64.6426, 23.3162

# 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.



11.7770, 26.9333, 19.6231



41.2540, 26.9333, 79.3682



20.5515, 26.9333, 2.5605

# Square

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



41.2540, 26.9333, 79.3682



39.6931, 26.9333, 5.4017



14.5102, 26.9333, 6.5398



15.3124, 26.9333, 85.9390



# Rectangle

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



41.2540, 26.9333, 79.3682



47.8024, 26.9333, 23.0452



14.5102, 26.9333, 6.5398



11.6222, 26.9333, 36.6549

# Sweetspot

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



41.2551, 26.9344, 79.3688



77.9367, 72.9128, 104.5736



30.3296, 28.8788, 80.3200



16.2957, 15.0078, 22.2879



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.



41.2551, 26.9344, 79.3688



45.9014, 26.6013, 97.3230



49.6806, 31.6377, 63.5081



14.5340, 14.3775, 18.1534



16.2145, 7.4248, 42.9617



1.2928, 0.5974, 3.1791



# Inverse Universe

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



43.2638, 29.0710, 29.7175



49.3056, 29.9006, 27.7112



38.4276, 62.2014, 30.2204



14.5616, 14.4418, 15.8916



19.1835, 9.8076, 4.5953

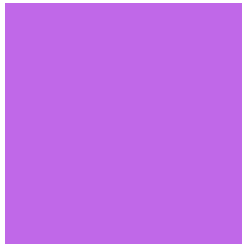


1.4583, 0.7410, 0.5539



# Previews

## White Background



This preview shows how the XYZ color 41.2540, 26.9333, 79.3682 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

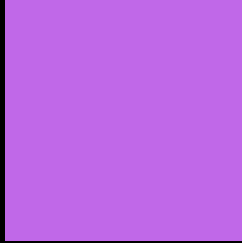
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.2540, 26.9333, 79.3682 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

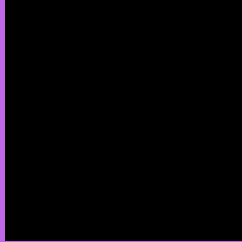
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.2540, 26.9333, 79.3682**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.2540, 26.9333, 79.3682.



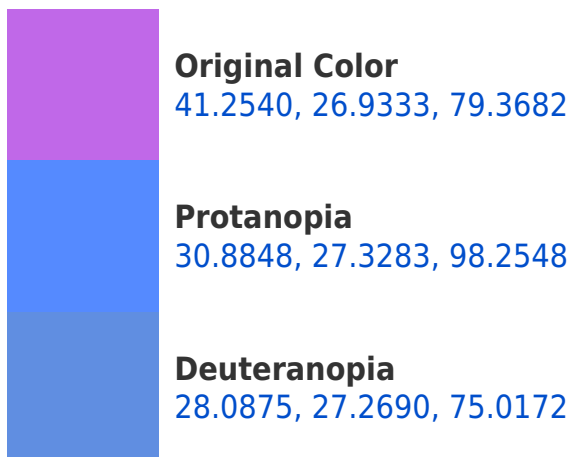
This preview shows how white text looks on a background with the XYZ color 41.2540, 26.9333,



# 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

30.6667, 26.7383, 27.5895

# Trichromacy



**Original Color**

41.2540, 26.9333, 79.3682

**Protanomaly**

32.5615, 25.9222, 91.2830

**Deuteranomaly**

31.0828, 25.8651, 76.7530

**Tritanomaly**

33.5717, 26.2395, 42.3250

# Monochromacy



**Original Color**

41.2540, 26.9333, 79.3682

**Achromatopsia**

26.9133, 28.3149, 30.8349

**Achromatomaly**

30.8187, 26.8210, 45.1476

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2540, 26.9333, 79.3682 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(192, 104, 232)` looks like.

```
.text, #text, p{  
    color:rgb(192, 104, 232)  
}
```

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(192, 104, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 104, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2540, 26.9333, 79.3682 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(192, 104, 232) }
```



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

```
.border{ border-color:rgb(192, 104, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 104, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 104, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 104, 232);  
box-shadow:4px 4px 4px 4px rgb(192, 104,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2540, 26.9333, 79.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 104, 232) }
```

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

```
.background{ background-color: rgb(192,  
104, 232) }
```

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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