

# Converting Colors

XYZ(41.4574, 28.6190, 85.5436)

Have a look what the booklet for  
XYZ(41.4574, 28.6190, 85.5436)  
contains.

<b>XYZ(41.6261, 28.7431, 85.7921)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(41.6261, 28.7431,  
85.7921)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B873F0
RGB	184, 115, 240
RGB Percent	72%, 45%, 94%
CMY	0.2784, 0.5490, 0.0588
CMYK	0.23, 0.52, 0.00, 0.06
HSL	273°, 81%, 70%
HSV	273°, 52%, 94%
XYZ	41.6261, 28.7431, 85.7921
YIQ	149.8810, 0.9990, 53.5030

# Conversions

## Conversions Part 2

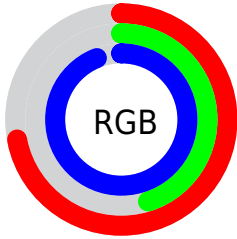
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">184, 115, 240</a>
Decimal	<a href="#">12088304</a>
CIELab	<a href="#">60.55, 49.73, -52.73</a>
CIElCh	<a href="#">61, 72.484, 313.320</a>
Yxy	<a href="#">28.7431, 0.2666, 0.1841</a>
Android (android.graphics.Color)	<a href="#">4290278384 (0xFFB873F0)</a>
YUV	<a href="#">149.8810, 44.4287, 29.9224</a>
Hunter-Lab	<a href="#">53.6126, 44.7696, -57.3484</a>

# Details

The XYZ color **41.6261, 28.7431, 85.7921** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **51.0498, 72.2165, 27.4692**, and the grayscale version is **28.7575, 30.2551, 32.9478**.

A 20% lighter version of the original color is **68.8559, 54.4732, 101.4930**, and **19.2268, 11.5631, 46.0183** is the 20% darker color. If you saturate the color by 10%, you get **36.7588, 22.6869, 84.8802**, and if you desaturate by 10%, it is **47.4037, 36.3270, 86.9519**.

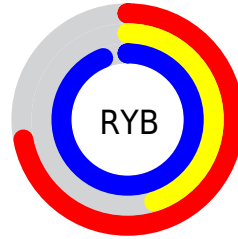
# Distribution



Red (72%)

Green (45%)

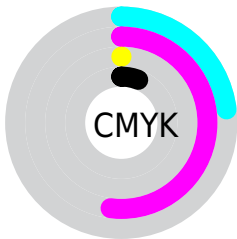
Blue (94%)



Red (72%)

Yellow (45%)

Blue (94%)

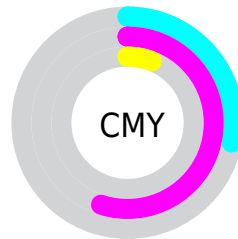


Cyan (23%)

Magenta (52%)

Yellow (0%)

Black (6%)



Cyan (28%)

Magenta (55%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6261, 28.7431, 85.7921 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 41.6261, 28.7431, 85.7921 by changing the saturation by 10% instead.



41.6261, 28.7431,  
85.7921

41.6261, 28.7431,  
85.7921

343.9487,  
296.0009, 534.4582

28.9985, 18.8866,  
63.9422

76.9021, 57.6687,  
143.3633

19.2239, 11.5883,  
46.1579

100.2813, 77.5065,  
179.9217

11.9372, 6.4640,  
32.0209

127.9749,  
101.4402, 222.2199

6.7728, 3.1292,  
21.1125

160.3485,  
129.8542, 270.6765

3.3655, 1.1996,  
13.0142

197.7673,  
163.1329, 325.7102

1.3499, 0.0614,  
7.3075

240.5967,

0.2201, 0.0000,

201.6606, 387.7393

3.5738

289.2020,  
245.8218, 457.1825

■ 0.0000, 0.0000,  
1.3946

■ 0.0000, 0.0000,  
0.1375

■ 41.6261, 28.7431,  
85.7921

■ 41.6261, 28.7431,  
85.7921

■ 36.7588, 22.6869,  
84.8802

■ 47.4037, 36.3270,  
86.9519

■ 32.7375, 18.0398,  
84.1951

■ 54.1429, 45.5382,  
88.3747

■ 29.4939, 14.6703,  
83.7157

■ 61.8946, 56.4717,  
90.0765

■ 26.9450, 12.4195,  
83.4156

■ 70.7052, 69.2141,  
92.0717

■ 25.3196, 11.2358,  
83.2728

■ 80.6177, 83.8460,  
94.3735

■ 90.3821, 97.8618,  
96.5641

■ 92.7283, 99.0713,  
96.6739

# Harmonies

## Analogous

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



31.6807, 28.7431, 113.0585



41.6261, 28.7431, 85.7921



48.4489, 28.7431, 48.5511

# Triad

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



41.6261, 28.7431, 85.7921



32.8196, 28.7431, 3.3317



13.2783, 28.7431, 44.7415

# Complementary

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



41.6261, 28.7431, 85.7921



51.0498, 72.2165, 27.4692

# 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.



13.4479, 28.7431, 18.7072



41.6261, 28.7431, 85.7921



23.3781, 28.7431, 3.1590

# Square

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



41.6261, 28.7431, 85.7921



42.6224, 28.7431, 7.5761



16.7358, 28.7431, 6.7757



16.2031, 28.7431, 81.6722



# Rectangle

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



41.6261, 28.7431, 85.7921



49.5224, 28.7431, 28.4044



16.7358, 28.7431, 6.7757



12.9996, 28.7431, 34.3782

# Sweetspot

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



41.6272, 28.7442, 85.7928



76.9795, 73.3711, 104.7125



37.4095, 39.1575, 88.0250



16.0299, 15.0582, 22.3116



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.



41.6272, 28.7442, 85.7928



42.1240, 25.9626, 97.3988



56.8820, 36.7138, 81.7428



15.7315, 15.6588, 19.9149



14.0158, 6.2308, 45.5918



1.2804, 0.5773, 3.7982



# Inverse Universe

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



49.4173, 33.7279, 42.4341



52.5480, 32.6079, 40.4372



41.6977, 67.3523, 28.9733



16.0671, 15.8766, 17.9096



21.2040, 10.7540, 8.9910

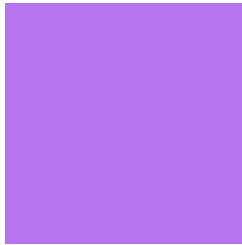


1.8134, 0.9144, 1.0081



# Previews

## White Background



This preview shows how the XYZ color 41.6261, 28.7431, 85.7921 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

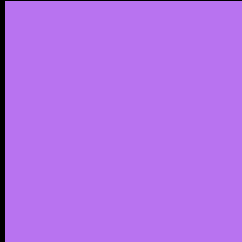
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.6261, 28.7431, 85.7921 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

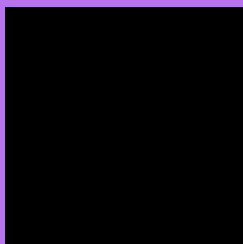
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.6261, 28.7431, 85.7921**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.6261, 28.7431, 85.7921.



This preview shows how white text looks on a background with the XYZ color 41.6261, 28.7431,



# 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

41.6261, 28.7431, 85.7921

### Protanopia

32.5918, 29.2978, 98.5450

### Deuteranopia

29.9540, 28.9851, 81.8578



## Tritanopia

30.5822, 28.6399, 31.9332

# Trichromacy



## Original Color

41.6261, 28.7431, 85.7921

## Protanomaly

34.3952, 28.1892, 94.0707

## Deuteranomaly

32.7064, 27.9733, 83.0324

## Tritanomaly

33.7787, 28.3001, 47.3982

# Monochromacy



## Original Color

41.6261, 28.7431, 85.7921

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

32.3932, 28.9916, 48.6884

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.6261, 28.7431, 85.7921 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(184, 115, 240)` looks like.

```
.text, #text, p{  
    color:rgb(184, 115, 240)  
}
```

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(184, 115, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 115, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 41.6261, 28.7431, 85.7921 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(184, 115, 240) }
```



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

```
.border{ border-color:rgb(184, 115, 240) }
```

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

Here you see how a box with a 4 pixel rgb(184, 115, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 115, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 115, 240);  
box-shadow:4px 4px 4px 4px rgb(184, 115,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.6261, 28.7431, 85.7921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 115, 240) }
```

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

```
.background{ background-color: rgb(184,  
115, 240) }
```

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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