

# Converting Colors

XYZ(41.1643, 34.1739, 86.6312)

Have a look what the booklet for  
XYZ(41.1643, 34.1739, 86.6312)  
contains.

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# Color

**XYZ(41.2185, 34.2371,  
86.8741)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A590F0
RGB	165, 144, 240
RGB Percent	65%, 56%, 94%
CMY	0.3529, 0.4353, 0.0588
CMYK	0.31, 0.40, 0.00, 0.06
HSL	253°, 76%, 75%
HSV	253°, 40%, 94%
XYZ	41.2185, 34.2371, 86.8741
YIQ	161.2230, -18.3000, 34.3080

# Conversions

## Conversions Part 2

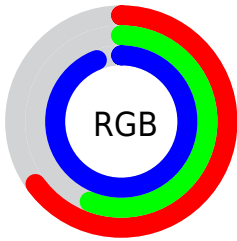
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	165, 144, 240
Decimal	10850544
CIE Lab	65.15, 28.68, -45.58
CIE LCh	65, 53.853, 302.172
Yxy	34.2371, 0.2539, 0.2109
Android (android.graphics.Color)	4289040624 (0xFFA590F0)
YUV	161.2230, 38.8371, 3.3124
Hunter-Lab	58.5125, 23.3456, -47.0698

# Details

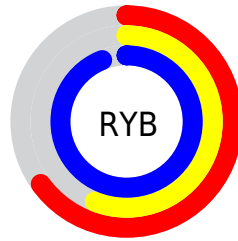
The XYZ color **41.2185, 34.2371, 86.8741** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **65.4081, 79.3945, 38.2640**, and the grayscale version is **33.8121, 35.5730, 38.7390**.

A 20% lighter version of the original color is **68.3683, 63.1378, 103.1912**, and **18.8920, 14.5626, 46.6149** is the 20% darker color. If you saturate the color by 10%, you get **34.3443, 25.8592, 85.6199**, and if you desaturate by 10%, it is **49.4396, 44.4576, 88.4142**.

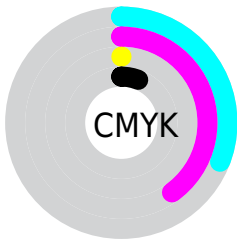
# Distribution



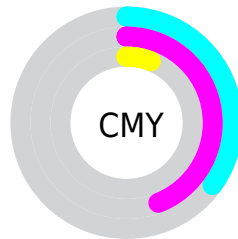
- Red (65%)
- Green (56%)
- Blue (94%)



- Red (65%)
- Yellow (56%)
- Blue (94%)



- Cyan (31%)
- Magenta (40%)
- Yellow (0%)
- Black (6%)



- Cyan (35%)
- Magenta (44%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2185, 34.2371, 86.8741 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 41.2185, 34.2371, 86.8741 by changing the saturation by 10% instead.



■ 41.2185, 34.2371,  
86.8741

■ 41.2185, 34.2371,  
86.8741

342.2800,  
321.1880, 538.1145

■ 28.6783, 23.0758,  
64.8320

■ 76.2881, 66.3022,  
144.8860

■ 18.9806, 14.6495,  
46.8744

■ 99.5482, 87.9748,  
181.6928

■ 11.7602, 8.5738,  
32.5827

127.1122,  
113.9200, 224.2583

■ 6.6516, 4.4642,  
21.5385

159.3457,  
144.5221, 273.0010

■ 3.2896, 1.9365,  
13.3231

196.6138,  
180.1656, 328.3394

■ 1.3087, 0.5702,  
7.5181

239.2820,

■ 0.1897, 0.0000,

221.2348, 390.6921

3.7048

287.7156,  
268.1141, 460.4777

■ 0.0000, 0.0000,  
1.4649

■ 0.0000, 0.0000,  
0.1915

■ 41.2185, 34.2371,  
86.8741

■ 41.2185, 34.2371,  
86.8741

■ 34.3443, 25.8592,  
85.6199

■ 49.4396, 44.4576,  
88.4142

■ 28.7391, 19.2084,  
84.6316

■ 59.0721, 56.6188,  
90.2538

■ 24.3223, 14.1620,  
83.8904

■ 70.1808, 70.8165,  
92.4088

■ 21.0022, 10.5793,  
83.3738

■ 82.8254, 87.1391,  
94.8929

■ 18.6722, 8.2939,  
83.0555

■ 92.7283, 99.0713,  
96.6741

■ 17.1706, 7.0349,  
82.8916

■ 17.1705, 7.0348,  
82.8916

# Harmonies

## Analogous

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



33.1144, 34.2371, 98.9585



41.2185, 34.2371, 86.8741



47.7254, 34.2371, 61.1992

# Triad

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



41.2185, 34.2371, 86.8741



40.0740, 34.2371, 10.6984



19.7141, 34.2371, 38.9341

# Complementary

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



41.2185, 34.2371, 86.8741



65.4081, 79.3945, 38.2640

# 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.



20.9769, 34.2371, 20.5785



41.2185, 34.2371, 86.8741



31.9749, 34.2371, 8.6872

# Square

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



41.2185, 34.2371, 86.8741



46.9937, 34.2371, 18.7346



25.1764, 34.2371, 11.4242



21.4050, 34.2371, 65.2172



# Rectangle

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



41.2185, 34.2371, 86.8741



49.8181, 34.2371, 43.4535



25.1764, 34.2371, 11.4242



19.8068, 34.2371, 31.7179

# Sweetspot

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



41.2198, 34.2384, 86.8749



77.7987, 77.7512, 105.5148



52.6145, 62.9890, 91.8238



16.2833, 16.1695, 22.5127



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.



41.2198, 34.2384, 86.8749



40.7557, 31.2952, 98.5003



53.0850, 40.3552, 87.4302



15.2206, 15.3954, 19.8910



9.4913, 3.8984, 45.3801



0.8717, 0.3666, 3.7790



# Inverse Universe

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



58.6954, 43.5873, 72.3376



63.6075, 43.5396, 78.6131



53.0333, 73.0150, 37.6849



16.2976, 15.9687, 19.1233



24.6625, 12.1374, 27.2028

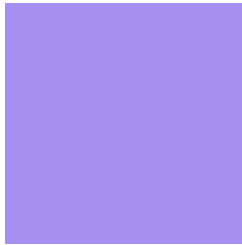


2.0879, 1.0242, 2.4536



# Previews

## White Background



This preview shows how the XYZ color 41.2185, 34.2371, 86.8741 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

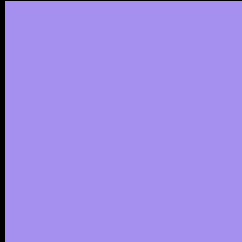
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.2185, 34.2371, 86.8741 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

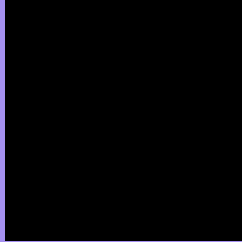
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 41.2185, 34.2371, 86.8741

## Background



This preview shows how black text looks on a background with the XYZ color 41.2185, 34.2371, 86.8741.



This preview shows how white text looks on a background with the XYZ color 41.2185, 34.2371,



# 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

41.2185, 34.2371, 86.8741

### Protanopia

37.1450, 34.5558, 95.1547

### Deuteranopia

35.3691, 34.3659, 84.8899



## Tritanopia

32.5113, 34.3159, 43.4382

# Trichromacy



## Original Color

41.2185, 34.2371, 86.8741

## Protanomaly

38.1824, 34.1903, 91.7757

## Deuteranomaly

37.1421, 34.0328, 85.5003

## Tritanomaly

35.2297, 34.1646, 56.9622

# Monochromacy



## Original Color

41.2185, 34.2371, 86.8741

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

35.9159, 34.8418, 53.5474

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2185, 34.2371, 86.8741 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(165, 144, 240)` looks like.

```
.text, #text, p{  
    color:rgb(165, 144, 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(165, 144, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 144, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2185, 34.2371, 86.8741 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(165, 144, 240) }
```



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

```
.border{ border-color:rgb(165, 144, 240) }
```

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

Here you see how a box with a 4 pixel rgb(165, 144, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 144, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 144, 240);  
box-shadow:4px 4px 4px 4px rgb(165, 144,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2185, 34.2371, 86.8741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 144, 240) }
```

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

```
.background{ background-color: rgb(165,  
144, 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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