

# Converting Colors

XYZ(50.5220, 31.8814, 83.4332)

Have a look what the booklet for  
XYZ(50.5220, 31.8814, 83.4332)  
contains.

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# Color

**XYZ(50.5643, 31.9521,  
83.6231)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE6AED
RGB	222, 106, 237
RGB Percent	87%, 42%, 93%
CMY	0.1294, 0.5843, 0.0706
CMYK	0.06, 0.55, 0.00, 0.07
HSL	293°, 78%, 67%
HSV	293°, 55%, 93%
XYZ	50.5643, 31.9521, 83.6231
YIQ	155.6180, 27.0850, 65.3330

# Conversions

## Conversions Part 2

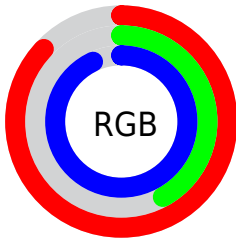
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 106, 237
Decimal	14576365
CIE Lab	63.30, 63.32, -46.43
CIE LCh	63, 78.512, 323.750
Yxy	31.9521, 0.3043, 0.1923
Android (android.graphics.Color)	4292766445 (0xFFDE6AED)
YUV	155.6180, 40.1213, 58.2170
Hunter-Lab	56.5262, 60.7525, -48.1435

# Details

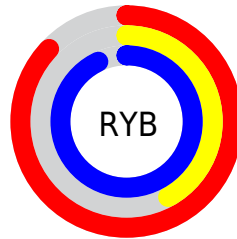
The XYZ color **50.5643, 31.9521, 83.6231** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **40.7719, 65.6747, 24.1647**, and the grayscale version is **31.2499, 32.8774, 35.8034**.

A 20% lighter version of the original color is **72.2103, 54.3207, 101.2868**, and **24.6464, 13.3844, 44.4645** is the 20% darker color. If you saturate the color by 10%, you get **47.6267, 27.3000, 82.8805**, and if you desaturate by 10%, it is **54.1923, 37.9633, 84.5926**.

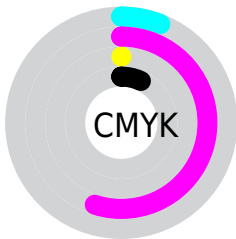
# Distribution



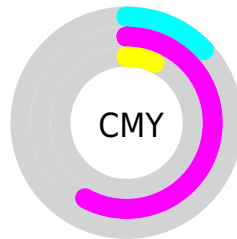
- Red (87%)
- Green (42%)
- Blue (93%)



- Red (87%)
- Yellow (42%)
- Blue (93%)



- Cyan (6%)
- Magenta (55%)
- Yellow (0%)
- Black (7%)




- Cyan (13%)
- Magenta (58%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5643, 31.9521, 83.6231 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 50.5643, 31.9521, 83.6231 by changing the saturation by 10% instead.




 50.5643, 31.9521,  
83.6231


 50.5643, 31.9521,  
83.6231


379.2842,  
310.9010, 527.0861


 36.0816, 21.3249,  
62.1607


 90.1972, 62.7360,  
140.3049


 24.6676, 13.3617,  
44.7259


 116.0782, 83.6615,  
176.3613

 15.9570, 7.6781,  
30.9002


 146.4893,  
108.7885, 218.1195

 9.5844, 3.8897,  
20.2651

 181.7959,  
138.5015, 265.9981

 5.1844, 1.6120,  
12.4019

222.3633,  
173.1849, 320.4154

 2.3917, 0.3657,  
6.8921

268.5569,

 0.8410, 0.0000,

213.2230, 381.7902

3.3173

320.7421,  
259.0002, 450.5409

■ 0.0000, 0.0000,  
1.2589

■ 0.0000, 0.0000,  
0.0277

■ 50.5643, 31.9521,  
83.6231

■ 50.5643, 31.9521,  
83.6231

■ 47.6267, 27.3000,  
82.8805

■ 54.1923, 37.9633,  
84.5926

■ 45.3189, 23.8886,  
82.3436


■ 58.5579, 45.4306,  
85.8039

■ 43.5754, 21.5862,  
81.9911


■ 63.7081, 54.4470,  
87.2728


■ 42.3144, 20.2292,  
81.7956


■ 69.6849, 65.0966,  
89.0133

 41.8259, 19.7962,  
81.7378

 76.5273, 77.4573,  
91.0386

 84.2720, 91.6020,  
93.3606

 87.3208, 96.3347,  
94.1134

 88.2541, 96.8159,  
94.1571

 89.2012, 97.3041,  
94.2014

# Harmonies

## Analogous

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



39.6011, 31.9521, 123.5291



50.5643, 31.9521, 83.6231



56.2824, 31.9521, 41.7315

# Triad

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



50.5643, 31.9521, 83.6231



32.7052, 31.9521, 2.7506



14.9600, 31.9521, 64.9397

# Complementary

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



50.5643, 31.9521, 83.6231



40.7719, 65.6747, 24.1647

# 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.



13.9556, 31.9521, 28.6651



50.5643, 31.9521, 83.6231



22.6971, 31.9521, 3.7148

# Square

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



50.5643, 31.9521, 83.6231



44.5002, 31.9521, 5.3853



16.4265, 31.9521, 10.0230



19.6000, 31.9521, 108.9572



# Rectangle

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



50.5643, 31.9521, 83.6231



55.5683, 31.9521, 22.4014



16.4265, 31.9521, 10.0230



14.2406, 31.9521, 51.0677

# Sweetspot

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



50.5655, 31.9535, 83.6238



80.9435, 74.4629, 104.7143



28.1031, 22.9238, 83.0648



17.0111, 15.3766, 22.3213



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.



50.5655, 31.9535, 83.6238



55.9364, 31.7746, 97.7927



49.0265, 31.8925, 50.4654



15.5351, 15.2211, 19.0414



22.9069, 10.8449, 44.6289



1.8470, 0.8765, 3.5067



# Inverse Universe

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



43.5313, 29.6944, 21.5277



47.2239, 29.0679, 16.7492



42.2483, 66.0410, 42.0708



15.1356, 15.0821, 15.9994



19.2006, 9.8829, 1.5920



1.5309, 0.7853, 0.2470



# Previews

## White Background



This preview shows how the XYZ color 50.5643, 31.9521, 83.6231 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

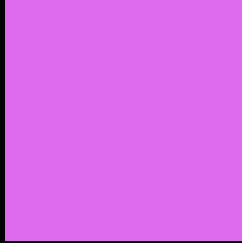
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.5643, 31.9521, 83.6231 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

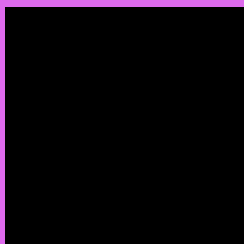
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.5643, 31.9521, 83.6231**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.5643, 31.9521, 83.6231.



This preview shows how white text looks on a background with the XYZ color 50.5643, 31.9521,



# 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

50.5643, 31.9521, 83.6231

### Protanopia

35.3868, 32.3477, 98.9864

### Deuteranopia

33.2798, 32.4327, 78.6348



## Tritanopia

39.2185, 31.7110, 29.2531

# Trichromacy



## Original Color

50.5643, 31.9521, 83.6231



## Protanomaly

38.2309, 30.4068, 92.6611



## Deuteranomaly

37.2743, 30.6026, 80.2863



## Tritanomaly

42.5276, 31.3498, 44.8840

# Monochromacy



## Original Color

50.5643, 31.9521, 83.6231



## Achromatopsia

31.5995, 33.2452, 36.2040



## Achromatomaly

36.6678, 31.3830, 50.0239

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.5643, 31.9521, 83.6231 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(222, 106, 237)` looks like.

```
.text, #text, p{  
    color:rgb(222, 106, 237)  
}
```

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(222, 106, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 106, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 50.5643, 31.9521, 83.6231 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(222, 106, 237) }
```



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

```
.border{ border-color:rgb(222, 106, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 106, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 106, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 106, 237);  
box-shadow:4px 4px 4px 4px rgb(222, 106,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.5643, 31.9521, 83.6231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 106, 237) }
```

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

```
.background{ background-color: rgb(222,  
106, 237) }
```

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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