

# Converting Colors

XYZ(41.3186, 25.7698, 96.2465)

Have a look what the booklet for  
XYZ(41.3186, 25.7698, 96.2465)  
contains.

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# Color

**XYZ(41.3131, 25.7149,  
96.5520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B562FE
RGB	181, 98, 254
RGB Percent	71%, 38%, 100%
CMY	0.2902, 0.6157, 0.0039
CMYK	0.29, 0.61, 0.00, 0.00
HSL	272°, 99%, 69%
HSV	272°, 61%, 100%
XYZ	41.3131, 25.7149, 96.5520
YIQ	140.6010, -0.6080, 66.1120

# Conversions

## Conversions Part 2

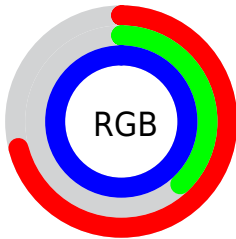
Format	Color
R <sub>Y</sub> B	181, 98, 254
Decimal	11887358
CIE Lab	57.77, 60.80, -64.96
CIE LCh	58, 88.974, 313.102
Yxy	25.7149, 0.2526, 0.1572
Android (android.graphics.Color)	4290077438 (0xFFB562FE)
YUV	140.6010, 55.9057, 35.4299
Hunter-Lab	50.7099, 56.6809, -77.3918

# Details

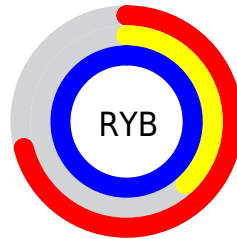
The XYZ color **41.3131, 25.7149, 96.5520** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **54.4414, 80.4239, 24.2100**, and the grayscale version is **24.9513, 26.2507, 28.5870**.

A 20% lighter version of the original color is **65.2134, 48.2017, 100.4745**, and **18.9961, 9.9242, 53.1389** is the 20% darker color. If you saturate the color by 10%, you get **36.6334, 20.3169, 95.7572**, and if you desaturate by 10%, it is **46.9865, 32.7448, 97.6104**.

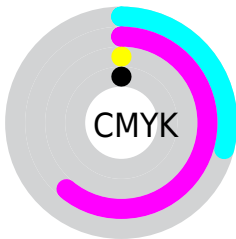
# Distribution



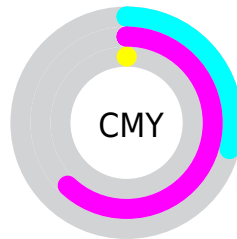
- Red (71%)
- Green (38%)
- Blue (100%)



- Red (71%)
- Yellow (38%)
- Blue (100%)



- Cyan (29%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (62%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3131, 25.7149, 96.5520 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 41.3131, 25.7149, 96.5520 by changing the saturation by 10% instead.




 41.3131, 25.7149,  
96.5520

 41.3131, 25.7149,  
96.5520

342.6678,  
281.3797, 570.2325


 28.7526, 16.6105,  
72.8234

 76.4307, 52.8147,  
158.4210


 19.0371, 9.9572,  
53.3406


 99.7184, 71.5788,  
197.3984

 11.8012, 5.3706,  
37.6852


 127.3126, 94.3316,  
242.2959

 6.6797, 2.4663,  
25.4385

 159.5786,  
121.4575, 293.5319

 3.3071, 0.8597,  
16.1821

196.8818,  
153.3408, 351.5251

 1.3182, 0.0000,  
9.4973

239.5875,

 0.1968, 0.0000,

190.3661, 416.6938

4.9657

288.0610,  
232.9176, 489.4568

■ 0.0000, 0.0000,  
2.1688

■ 0.0000, 0.0000,  
0.6563

■ 41.3131, 25.7149,  
96.5520

■ 41.3131, 25.7149,  
96.5520

■ 36.6334, 20.3169,  
95.7572

■ 46.9865, 32.7448,  
97.6104

■ 32.8640, 16.3965,  
95.1992

■ 53.7205, 41.5355,  
98.9522

■ 29.9108, 13.7733,  
94.8485

■ 61.5792, 52.2062,  
100.5977

■ 27.9043, 12.3186,  
94.6735

■ 70.6204, 64.8642,  
102.5644

80.8975, 79.6089,  
104.8688

92.4605, 96.5327,  
107.5259

94.8895, 99.9358,  
108.0548

# Harmonies

## Analogous

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



29.3937, 25.7149, 133.0875



41.3131, 25.7149, 96.5520



49.7996, 25.7149, 48.7888

# Triad

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



41.3131, 25.7149, 96.5520



30.9036, 25.7149, 1.0119



9.4088, 25.7149, 43.5439

# Complementary

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



41.3131, 25.7149, 96.5520



54.4414, 80.4239, 24.2100

# 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.



9.5962, 25.7149, 14.1563



41.3131, 25.7149, 96.5520



20.0789, 25.7149, 0.9045

# Square

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



41.3131, 25.7149, 96.5520



42.6920, 25.7149, 3.9820



12.9310, 25.7149, 3.2781



12.3124, 25.7149, 90.4044



# Rectangle

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



41.3131, 25.7149, 96.5520



51.1878, 25.7149, 24.9383



12.9310, 25.7149, 3.2781



9.1446, 25.7149, 31.3008

# Sweetspot

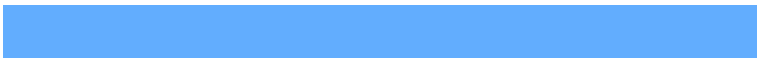
The Sweet Spot groups the original color and five complimentary colors.



41.3142, 25.7158, 96.5526



74.6498, 70.2816, 104.2390



37.9476, 39.7941, 99.4474



15.3563, 14.1571, 22.1732



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.



41.3142, 25.7158, 96.5526



35.8888, 19.3344, 96.4481



62.7171, 36.7972, 95.3953



17.9259, 17.8535, 22.7512



14.8834, 6.5832, 49.9208



1.5753, 0.7060, 4.8665



# Inverse Universe

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



52.5920, 32.7472, 42.0773



49.0887, 27.5447, 33.5640



42.8089, 74.4127, 24.3170



18.3631, 18.1286, 20.5294



23.3728, 11.8384, 10.6134

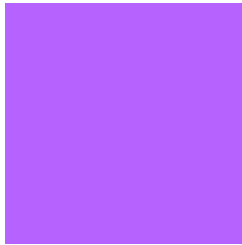


2.3303, 1.1745, 1.3209



# Previews

## White Background



This preview shows how the XYZ color 41.3131, 25.7149, 96.5520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

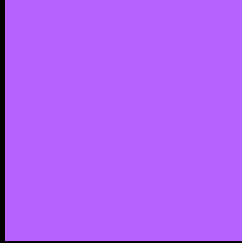
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 41.3131, 25.7149, 96.5520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

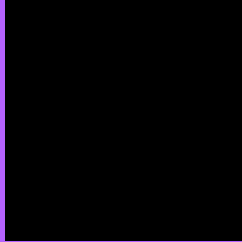
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 41.3131, 25.7149, 96.5520

## Background



This preview shows how black text looks on a background with the XYZ color 41.3131, 25.7149, 96.5520.



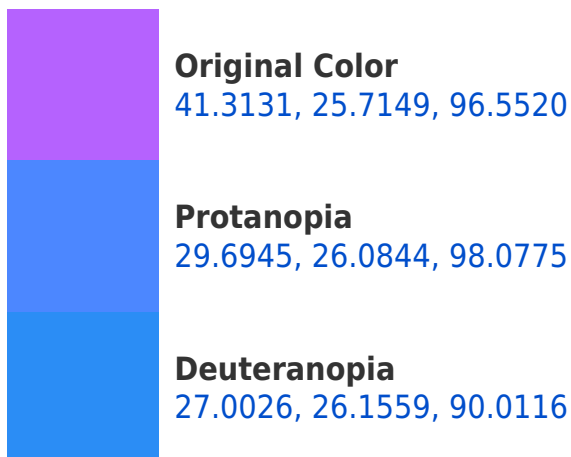
This preview shows how white text looks on a background with the XYZ color 41.3131, 25.7149,



# 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

27.4883, 25.4654, 28.6658

# Trichromacy



## Original Color

41.3131, 25.7149, 96.5520



## Protanomaly

31.9490, 24.7165, 97.6946



## Deuteranomaly

28.7911, 23.7717, 91.8779



## Tritanomaly

31.0704, 24.6591, 47.3781

# Monochromacy



## Original Color

41.3131, 25.7149, 96.5520



## Achromatopsia

25.3171, 26.6356, 29.0061



## Achromatomaly

29.4874, 25.1125, 47.5490

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3131, 25.7149, 96.5520 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(181, 98, 254)` looks like.

```
.text, #text, p{  
    color:rgb(181, 98, 254)  
}
```

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(181, 98, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 98, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3131, 25.7149, 96.5520 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(181, 98, 254) }
```



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

```
.border{ border-color:rgb(181, 98, 254) }
```

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

Here you see how a box with a 4 pixel rgb(181, 98, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 98, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 98, 254);  
box-shadow:4px 4px 4px 4px rgb(181, 98,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3131, 25.7149, 96.5520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 98, 254) }
```

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

```
.background{ background-color: rgb(181, 98,  
254) }
```

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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