

# Converting Colors

XYZ(35.4013, 18.2851, 92.0238)

Have a look what the booklet for  
XYZ(35.4013, 18.2851, 92.0238)  
contains.

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# Color

**XYZ(35.4161, 18.2924,  
92.1066)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AB37FA
RGB	171, 55, 250
RGB Percent	67%, 22%, 98%
CMY	0.3294, 0.7843, 0.0196
CMYK	0.32, 0.78, 0.00, 0.02
HSL	276°, 95%, 60%
HSV	276°, 78%, 98%
XYZ	35.4161, 18.2924, 92.1066
YIQ	111.9140, 6.5410, 85.2370

# Conversions

## Conversions Part 2

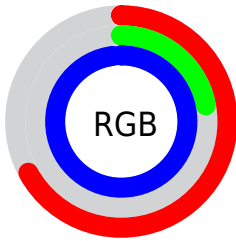
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 55, 250
Decimal	11220986
CIE <sub>Lab</sub>	49.85, 75.97, -75.62
CIE <sub>LCh</sub>	50, 107.186, 315.132
Yxy	18.2924, 0.2429, 0.1254
Android (android.graphics.Color)	4289411066 (0xFFAB37FA)
YUV	111.9140, 68.0764, 51.8184
Hunter-Lab	42.7696, 72.9631, -97.7454

# Details

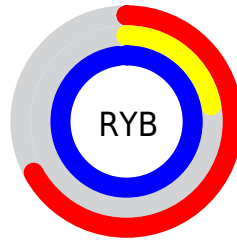
The XYZ color **35.4161, 18.2924, 92.1066** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **44.7066, 73.7155, 15.4869**, and the grayscale version is **15.1824, 15.9731, 17.3947**.

A 20% lighter version of the original color is **57.4594, 36.6373, 98.6510**, and **16.0700, 7.1853, 50.4091** is the 20% darker color. If you saturate the color by 10%, you get **32.3926, 15.3950, 91.7071**, and if you desaturate by 10%, it is **39.2111, 22.4794, 92.7151**.

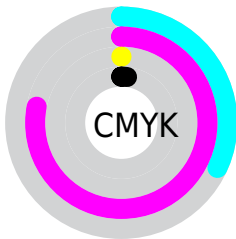
# Distribution



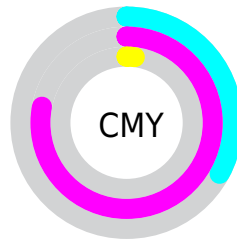
- Red (67%)
- Green (22%)
- Blue (98%)



- Red (67%)
- Yellow (22%)
- Blue (98%)



- Cyan (32%)
- Magenta (78%)
- Yellow (0%)
- Black (2%)




- Cyan (33%)
- Magenta (78%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4161, 18.2924, 92.1066 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 35.4161, 18.2924, 92.1066 by changing the saturation by 10% instead.




 35.4161, 18.2924,  
92.1066


 35.4161, 18.2924,  
92.1066


317.8771,  
242.5140, 555.6059


 24.1516, 11.1601,  
69.1456


 67.4597, 40.5349,  
152.2221


 15.5715, 6.1746,  
50.3578


 88.9694, 56.4140,  
190.2137

 9.3103, 2.9516,  
35.3246


 114.6250, 75.9774,  
234.0527

 5.0029, 1.1065,  
23.6275

 144.7917, 99.6096,  
284.1575

 2.2837, 0.0000,  
14.8479

 179.8349,  
127.6950, 340.9467

 0.7863, 0.0000,  
8.5673

220.1200,

 0.0000, 0.0000,

160.6179, 404.8388

4.3671

266.0122,  
198.7628, 476.2523

■ 0.0000, 0.0000,  
1.8288

■ 0.0000, 0.0000,  
0.4469

■ 35.4161, 18.2924,  
92.1066

■ 35.4161, 18.2924,  
92.1066

■ 32.3926, 15.3950,  
91.7071

■ 39.2111, 22.4794,  
92.7151

■ 30.0254, 13.5660,  
91.4788

■ 43.8583, 28.1157,  
93.5581

■ 29.5991, 13.2656,  
91.4433

■ 49.4299, 35.3391,  
94.6587

■ 55.9888, 44.2705,  
96.0370

63.5920, 55.0187,  
97.7108

72.2915, 67.6832,  
99.6968

82.1359, 82.3562,  
102.0101

93.1699, 99.1226,  
104.6648

94.2554, 99.6822,  
104.7156

# Harmonies

## Analogous

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



23.0516, 18.2924, 139.0793



35.4161, 18.2924, 92.1066



44.2183, 18.2924, 38.1826

# Triad

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



35.4161, 18.2924, 92.1066



22.9463, 18.2924, 0.0000



4.4613, 18.2924, 38.5699

# Complementary

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



35.4161, 18.2924, 92.1066



44.7066, 73.7155, 15.4869

# 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.



4.4518, 18.2924, 8.6656



35.4161, 18.2924, 92.1066



12.7349, 18.2924, 0.0000

# Square

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



35.4161, 18.2924, 92.1066



35.3135, 18.2924, 0.6978



6.8293, 18.2924, 0.7221



6.8637, 18.2924, 92.6158



# Rectangle

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



35.4161, 18.2924, 92.1066



45.3089, 18.2924, 15.2858



6.8293, 18.2924, 0.7221



4.2218, 18.2924, 25.4009

# Sweetspot

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



35.4170, 18.2930, 92.1070



70.9015, 63.8868, 103.2022



27.6706, 25.3936, 93.8859



14.4882, 12.6783, 21.9335



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.



35.4170, 18.2930, 92.1070



32.3048, 14.8286, 95.7673



55.6062, 28.9828, 80.3176



17.2732, 17.1535, 21.7858



15.8674, 7.1226, 48.5121



1.5895, 0.7215, 4.4987



# Inverse Universe

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



45.0937, 24.7778, 24.9595



44.3624, 22.7891, 17.5085



36.9068, 69.6419, 17.5007



17.5360, 17.3418, 19.4125



22.2320, 11.3085, 7.9299

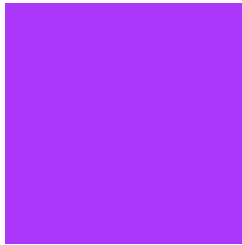


2.1100, 1.0678, 1.0029



# Previews

## White Background



This preview shows how the XYZ color 35.4161, 18.2924, 92.1066 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

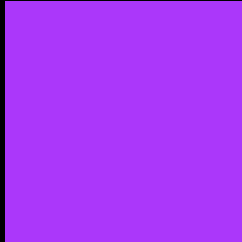
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.4161, 18.2924, 92.1066 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

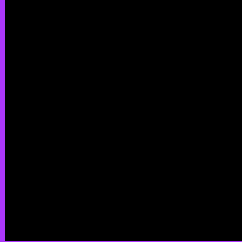
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.4161, 18.2924, 92.1066**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.4161, 18.2924, 92.1066.



This preview shows how white text looks on a background with the XYZ color 35.4161, 18.2924,



# 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

35.4161, 18.2924, 92.1066

### Protanopia

22.0443, 18.4454, 86.4029

### Deuteranopia

18.4702, 18.3279, 63.5369



## Tritanopia

20.5476, 18.1891, 18.9509

# Trichromacy



## Original Color

35.4161, 18.2924, 92.1066



## Protanomaly

22.3824, 15.4454, 88.1878



## Deuteranomaly

19.8519, 15.0098, 73.0850



## Tritanomaly

24.0742, 16.9293, 37.5961

# Monochromacy



## Original Color

35.4161, 18.2924, 92.1066



## Achromatopsia

15.4009, 16.2029, 17.6450



## Achromatomaly

19.9355, 15.0774, 36.0419

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4161, 18.2924, 92.1066 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(171, 55, 250)` looks like.

```
.text, #text, p{  
    color:rgb(171, 55, 250)  
}
```

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(171, 55, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 55, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4161, 18.2924, 92.1066 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(171, 55, 250) }
```



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

```
.border{ border-color:rgb(171, 55, 250) }
```

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

Here you see how a box with a 4 pixel rgb(171, 55, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 55, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 55, 250);  
box-shadow:4px 4px 4px 4px rgb(171, 55,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4161, 18.2924, 92.1066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 55, 250) }
```

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

```
.background{ background-color: rgb(171, 55,  
250) }
```

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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