

# Converting Colors

XYZ(35.2640, 17.5587, 94.4608)

Have a look what the booklet for  
XYZ(35.2640, 17.5587, 94.4608)  
contains.

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# Color

**XYZ(35.2842, 17.5919,  
94.4644)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AA2EFD
RGB	170, 46, 253
RGB Percent	67%, 18%, 99%
CMY	0.3333, 0.8196, 0.0078
CMYK	0.33, 0.82, 0.00, 0.01
HSL	276°, 98%, 59%
HSV	276°, 82%, 99%
XYZ	35.2842, 17.5919, 94.4644
YIQ	106.6740, 7.4570, 90.6650

# Conversions

## Conversions Part 2

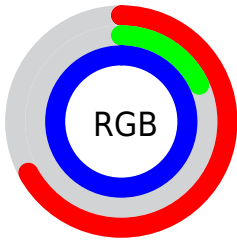
Format	Color
R <sub>Y</sub> B	170, 46, 253
Decimal	11153149
CIE Lab	49.00, 79.19, -78.69
CIE LCh	49, 111.635, 315.182
Yxy	17.5919, 0.2395, 0.1194
Android (android.graphics.Color)	4289343229 (0xFFAA2EFD)
YUV	106.6740, 72.1387, 55.5369
Hunter-Lab	41.9427, 76.7630, -104.1745

# Details

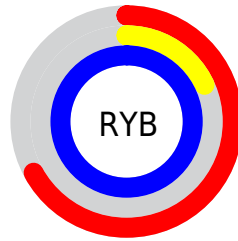
The XYZ color **35.2842, 17.5919, 94.4644** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **44.6716, 75.1151, 14.7292**, and the grayscale version is **13.6918, 14.4049, 15.6869**.

A 20% lighter version of the original color is **56.3676, 34.9340, 98.3798**, and **16.1570, 7.1913, 52.1663** is the 20% darker color. If you saturate the color by 10%, you get **32.4616, 15.0764, 94.1280**, and if you desaturate by 10%, it is **38.8590, 21.3579, 95.0033**.

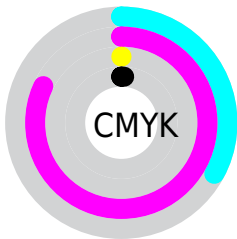
# Distribution



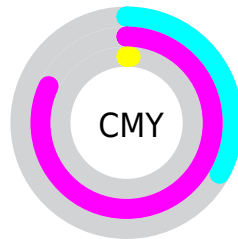
- Red (67%)
- Green (18%)
- Blue (99%)



- Red (67%)
- Yellow (18%)
- Blue (99%)



- Cyan (33%)
- Magenta (82%)
- Yellow (0%)
- Black (1%)




- Cyan (33%)
- Magenta (82%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2842, 17.5919, 94.4644 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 35.2842, 17.5919, 94.4644 by changing the saturation by 10% instead.




 35.2842, 17.5919,  
94.4644

 35.2842, 17.5919,  
94.4644


317.3071,  
238.5606, 563.3894

 24.0494, 10.6574,  
71.0949


 67.2569, 39.3407,  
155.5137

 15.4952, 5.8370,  
51.9373


 88.7256, 54.9238,  
194.0304

 9.2562, 2.7462,  
36.5732


 114.3363, 74.1585,  
238.4334

 4.9671, 1.0007,  
24.5840

 144.4543, 97.4293,  
289.1410

 2.2626, 0.0000,  
15.5512

 179.4450,  
125.1205, 346.5719

 0.7754, 0.0000,  
9.0562

219.6738,

 0.0000, 0.0000,

157.6165, 411.1446

4.6806

265.5061,  
195.3017, 483.2775

■ 0.0000, 0.0000,  
2.0057

■ 0.0000, 0.0000,  
0.5587

■ 35.2842, 17.5919,  
94.4644

■ 35.2842, 17.5919,  
94.4644

■ 32.4616, 15.0764,  
94.1280

■ 38.8590, 21.3579,  
95.0033

■ 30.5962, 13.7248,  
93.9654

■ 43.2759, 26.5527,  
95.7732

■ 48.6133, 33.3264,  
96.7993

■ 54.9387, 41.8092,  
98.1033

62.3129, 52.1174,  
99.7043

70.7912, 64.3567,  
101.6199

80.4246, 78.6249,  
103.8662

91.2611, 95.0127,  
106.4582

94.7297, 99.8719,  
107.2133

# Harmonies

## Analogous

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



22.5205, 17.5919, 144.5344



35.2842, 17.5919, 94.4644



44.4431, 17.5919, 37.8407

# Triad

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



35.2842, 17.5919, 94.4644



22.3709, 17.5919, 0.0000



3.8977, 17.5919, 38.3975

# Complementary

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



35.2842, 17.5919, 94.4644



44.6716, 75.1151, 14.7292

# 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.



3.8852, 17.5919, 7.9278



35.2842, 17.5919, 94.4644



12.0132, 17.5919, 0.0000

# Square

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



35.2842, 17.5919, 94.4644



35.1364, 17.5919, 0.3698



6.1721, 17.5919, 0.4049



6.2186, 17.5919, 95.2129



# Rectangle

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



35.2842, 17.5919, 94.4644



45.5712, 17.5919, 14.4353



6.1721, 17.5919, 0.4049



3.6690, 17.5919, 24.8044

# Sweetspot

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



35.2851, 17.5925, 94.4648



69.1888, 61.3211, 102.7973



27.1419, 24.2435, 96.1778



14.1596, 12.1873, 21.8560



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.



35.2851, 17.5925, 94.4648



31.5849, 14.2797, 95.6993



56.5893, 28.8785, 81.7585



18.0468, 17.9158, 22.7569



16.4450, 7.3882, 49.9939



1.7246, 0.7830, 4.8735



# Inverse Universe

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



45.4476, 24.4218, 23.0869



43.8605, 22.3968, 15.4564



37.1565, 71.1934, 16.5230



18.3111, 18.1078, 20.2555



22.8771, 11.6402, 8.0035

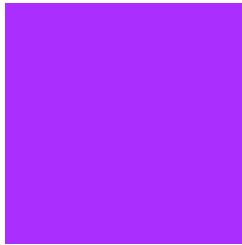


2.2797, 1.1543, 1.0544



# Previews

## White Background



This preview shows how the XYZ color 35.2842, 17.5919, 94.4644 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

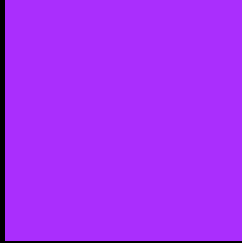
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.2842, 17.5919, 94.4644 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

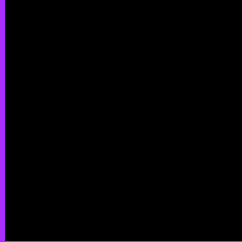
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 35.2842, 17.5919, 94.4644

## Background



This preview shows how black text looks on a background with the XYZ color 35.2842, 17.5919, 94.4644.



This preview shows how white text looks on a background with the XYZ color 35.2842, 17.5919,



# 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

35.2842, 17.5919, 94.4644

### Deuteranopia

17.7374, 17.6499, 60.8644

### Tritanopia

19.8684, 17.5427, 18.2585

# Trichromacy



## Original Color

35.2842, 17.5919, 94.4644



## Deuteranomaly

19.1330, 14.0061, 71.5071



## Tritanomaly

23.2883, 15.9273, 37.4442

# Monochromacy



## Original Color

35.2842, 17.5919, 94.4644



## Achromatopsia

13.9749, 14.7027, 16.0113



## Achromatomaly

18.7996, 13.7809, 34.9268

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.2842, 17.5919, 94.4644 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(170, 46, 253)` looks like.

```
.text, #text, p{  
    color:rgb(170, 46, 253)  
}
```

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(170, 46, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 46, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 35.2842, 17.5919, 94.4644 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(170, 46, 253) }
```

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

```
.border{ border-color:rgb(170, 46, 253) }
```

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

Here you see how a box with a 4 pixel rgb(170, 46, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 46, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 46, 253);  
box-shadow:4px 4px 4px 4px rgb(170, 46,  
253) }
```



# Background

The CSS property to change the background color of an element to XYZ 35.2842, 17.5919, 94.4644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 46, 253) }
```

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

```
.background{ background-color: rgb(170, 46,  
253) }
```

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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