

# Converting Colors

XYZ(32.7607, 17.7590, 85.7055)

Have a look what the booklet for  
XYZ(32.7607, 17.7590, 85.7055)  
contains.

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# Color

**XYZ(32.7607, 17.7590,  
85.7055)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A240F2
RGB	162, 64, 242
RGB Percent	64%, 25%, 95%
CMY	0.3647, 0.7490, 0.0510
CMYK	0.33, 0.74, 0.00, 0.05
HSL	273°, 87%, 60%
HSV	273°, 74%, 95%
XYZ	32.7607, 17.7590, 85.7055
YIQ	113.5940, 1.2700, 76.1340

# Conversions

## Conversions Part 2

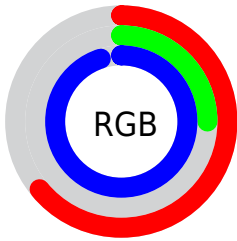
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	162, 64, 242
Decimal	10633458
CIE <sub>Lab</sub>	49.20, 69.52, -72.24
CIE <sub>LCh</sub>	49, 100.265, 313.901
Y <sub>xy</sub>	17.7590, 0.2405, 0.1304
Android (android.graphics.Color)	4288823538 (0xFFA240F2)
YUV	113.5940, 63.3042, 42.4521
Hunter-Lab	42.1414, 65.0182, -91.0826

# Details

The XYZ color **32.7607, 17.7590, 85.7055** 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 **44.1791, 69.8039, 15.9958**, and the grayscale version is **15.6906, 16.5077, 17.9769**.

A 20% lighter version of the original color is **54.8907, 36.1825, 98.6986**, and **14.3505, 6.3863, 46.3753** is the 20% darker color. If you saturate the color by 10%, you get **29.5654, 14.5066, 85.2465**, and if you desaturate by 10%, it is **36.7404, 22.2940, 86.3715**.

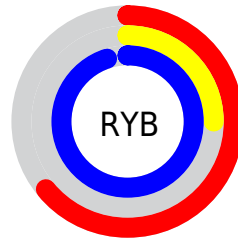
# Distribution



Red (64%)

Green (25%)

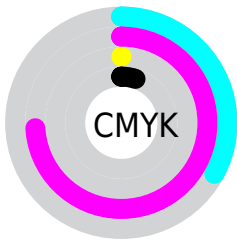
Blue (95%)



Red (64%)

Yellow (25%)

Blue (95%)

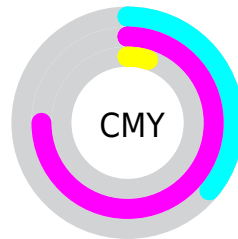


Cyan (33%)

Magenta (74%)

Yellow (0%)

Black (5%)



Cyan (36%)

Magenta (75%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7607, 17.7590, 85.7055 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 32.7607, 17.7590, 85.7055 by changing the saturation by 10% instead.





 32.7607, 17.7590,  
85.7055


 32.7607, 17.7590,  
85.7055


306.2541,  
239.5091, 534.1650


 22.1015, 10.7771,  
63.8710


 63.3589, 39.6262,  
143.2414

 14.0486, 5.9172,  
46.1007


 84.0287, 55.2804,  
179.7798


 8.2364, 2.7948,  
31.9760


 108.7661, 74.5940,  
222.0565

 4.2996, 1.0255,  
21.0785

 137.9364, 97.9516,  
270.4902

 1.8730, 0.0000,  
12.9896

 171.9050,  
125.7375, 325.4994

 0.5611, 0.0000,  
7.2907

211.0372,

 0.0000, 0.0000,

158.3361, 387.5025

3.5634

255.6985,  
196.1319, 456.9182

■ 0.0000, 0.0000,  
1.3890

■ 0.0000, 0.0000,  
0.1331

■ 32.7607, 17.7590,  
85.7055

■ 32.7607, 17.7590,  
85.7055

■ 29.5654, 14.5066,  
85.2465

■ 36.7404, 22.2940,  
86.3715


■ 27.0641, 12.3670,  
84.9654


■ 41.5744, 28.2483,  
87.2660


■ 25.7378, 11.4169,  
84.8519


■ 47.3269, 35.7424,  
88.4093


■ 54.0546, 44.8830,  
89.8190

 61.8090, 55.7672,  
91.5112

 70.6379, 68.4843,  
93.5005

 80.5857, 83.1174,  
95.8007

 90.8584, 98.0728,  
98.1459

 93.0271, 99.1908,  
98.2474

# Harmonies

## Analogous

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



21.6021, 17.7590, 125.5895



32.7607, 17.7590, 85.7055



40.8656, 17.7590, 37.5243

# Triad

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



32.7607, 17.7590, 85.7055



22.4009, 17.7590, 0.0000



4.7149, 17.7590, 34.6199

# Complementary

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



32.7607, 17.7590, 85.7055



44.1791, 69.8039, 15.9958

# 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.



4.7920, 17.7590, 8.2453



32.7607, 17.7590, 85.7055



12.9006, 17.7590, 0.0000

# Square

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



32.7607, 17.7590, 85.7055



33.5291, 17.7590, 1.0741



7.1959, 17.7590, 0.8800



6.9219, 17.7590, 81.9740



# Rectangle

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



32.7607, 17.7590, 85.7055



42.0793, 17.7590, 16.0260



7.1959, 17.7590, 0.8800



4.5098, 17.7590, 23.0743

# Sweetspot

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



32.7616, 17.7596, 85.7059



71.0153, 64.8087, 103.3742



28.1302, 27.4781, 87.8259



14.6562, 13.0975, 22.0056



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.



32.7616, 17.7596, 85.7059



31.8844, 15.0639, 95.8349



53.1739, 28.4333, 79.8517



15.7293, 15.6577, 19.9148



13.9863, 6.2156, 45.5904



1.2779, 0.5761, 3.7981



# Inverse Universe

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



43.4856, 24.5579, 28.8333



45.8470, 23.8702, 23.8243



35.0661, 65.0743, 16.9987



16.0681, 15.8769, 17.9148



21.2141, 10.7581, 9.0441

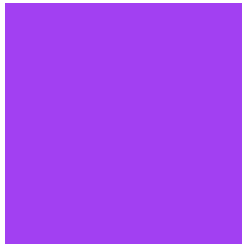


1.8143, 0.9147, 1.0127



# Previews

## White Background



This preview shows how the XYZ color 32.7607, 17.7590, 85.7055 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

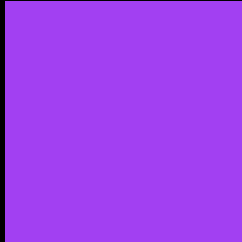
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 32.7607, 17.7590, 85.7055 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

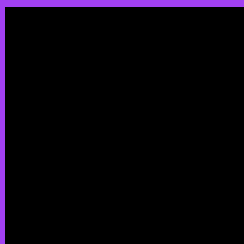
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 32.7607, 17.7590, 85.7055**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.7607, 17.7590, 85.7055.



This preview shows how white text looks on a background with the XYZ color 32.7607, 17.7590,

85.7055.

# 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

32.7607, 17.7590, 85.7055

### Protanopia

21.3377, 17.9833, 83.2354

### Deuteranopia

18.1016, 17.9870, 62.1923



## Tritanopia

19.3270, 17.7106, 19.2295

# Trichromacy



## Original Color

32.7607, 17.7590, 85.7055



## Protanomaly

21.4758, 15.3462, 83.4916



## Deuteranomaly

19.2791, 15.2115, 69.6301



## Tritanomaly

22.4686, 16.6404, 36.2101

# Monochromacy



## Original Color

32.7607, 17.7590, 85.7055



## Achromatopsia

15.9940, 16.8269, 18.3245



## Achromatomaly

19.9760, 15.7642, 35.7082

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.7607, 17.7590, 85.7055 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(162, 64, 242)` looks like.

```
.text, #text, p{  
    color:rgb(162, 64, 242)  
}
```

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(162, 64, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 64, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 32.7607, 17.7590, 85.7055 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(162, 64, 242) }
```



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

```
.border{ border-color:rgb(162, 64, 242) }
```

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

Here you see how a box with a 4 pixel rgb(162, 64, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 64, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 64, 242);  
box-shadow:4px 4px 4px 4px rgb(162, 64,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.7607, 17.7590, 85.7055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 64, 242) }
```

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

```
.background{ background-color: rgb(162, 64,  
242) }
```

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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