

# Converting Colors

XYZ(43.9897, 27.3040, 96.0590)

Have a look what the booklet for  
XYZ(43.9897, 27.3040, 96.0590)  
contains.

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# Color

**XYZ(43.9297, 27.2220,  
95.8675)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C063FD
RGB	192, 99, 253
RGB Percent	75%, 39%, 99%
CMY	0.2470, 0.6118, 0.0078
CMYK	0.24, 0.61, 0.00, 0.01
HSL	276°, 97%, 69%
HSV	276°, 61%, 99%
XYZ	43.9297, 27.2220, 95.8675
YIQ	144.3630, 5.9940, 67.6100

# Conversions

## Conversions Part 2

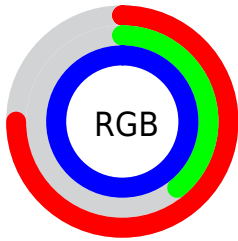
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	192, 99, 253
Decimal	12608509
CIE Lab	59.18, 62.53, -62.07
CIE LCh	59, 88.110, 315.213
Yxy	27.2220, 0.2630, 0.1630
Android (android.graphics.Color)	4290798589 (0xFFC063FD)
YUV	144.3630, 53.5580, 41.7776
Hunter-Lab	52.1747, 58.9865, -72.4191

# Details

The XYZ color **43.9297, 27.2220, 95.8675** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **51.8751, 78.6255, 24.2473**, and the grayscale version is **26.4457, 27.8229, 30.2992**.

A 20% lighter version of the original color is **69.7505, 51.0266, 100.7806**, and **20.5457, 10.7362, 52.6192** is the 20% darker color. If you saturate the color by 10%, you get **39.4458, 21.8928, 95.0757**, and if you desaturate by 10%, it is **49.3391, 34.1433, 96.9188**.

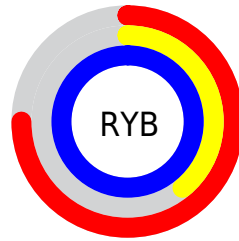
# Distribution



Red (75%)

Green (39%)

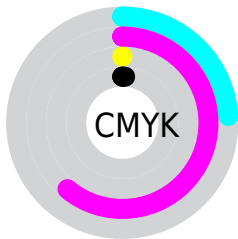
Blue (99%)



Red (75%)

Yellow (39%)

Blue (99%)

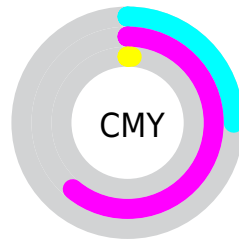


Cyan (24%)

Magenta (61%)

Yellow (0%)

Black (1%)



Cyan (25%)

Magenta (61%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.9297, 27.2220, 95.8675 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 43.9297, 27.2220, 95.8675 by changing the saturation by 10% instead.





 43.9297, 27.2220,  
95.8675


 43.9297, 27.2220,  
95.8675

353.2784,  
288.7304, 567.9936


 30.8129, 17.7400,  
72.2563

 80.3590, 55.2399,  
157.4684


 20.6076, 10.7635,  
52.8800


 104.4021, 74.5446,  
196.2953

 12.9483, 5.9080,  
37.3199


 132.8182, 97.8924,  
241.0311

 7.4697, 2.7892,  
25.1575


 165.9724,  
125.6675, 292.0944

 3.8065, 1.0227,  
15.9744

204.2302,  
158.2545, 349.9038

 1.5932, 0.0000,  
9.3519

247.9568,

 0.3880, 0.0000,

196.0377, 414.8777

4.8715

297.5178,  
239.4016, 487.4348

■ 0.0000, 0.0000,  
2.1146

■ 0.0000, 0.0000,  
0.6245

■ 43.9297, 27.2220,  
95.8675

■ 43.9297, 27.2220,  
95.8675

■ 39.4458, 21.8928,  
95.0757

■ 49.3391, 34.1433,  
96.9188

■ 35.8078, 18.0051,  
94.5170

■ 55.7374, 42.7820,  
98.2490

■ 32.9261, 15.3838,  
94.1629

■ 63.1855, 53.2544,  
99.8779

■ 30.8267, 13.8436,  
93.9763

■ 71.7384, 65.6653,  
101.8226

 81.4467, 80.1115,  
104.0993

 92.3577, 96.6834,  
106.7230

94.7297, 99.8719,  
107.2134

# Harmonies

## Analogous

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



31.8166, 27.2220, 134.5904



43.9297, 27.2220, 95.8675



52.1153, 27.2220, 47.8980

# Triad

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



43.9297, 27.2220, 95.8675



31.6427, 27.2220, 1.1935



10.3840, 27.2220, 48.4992

# Complementary

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



43.9297, 27.2220, 95.8675



51.8751, 78.6255, 24.2473

# 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.



10.3619, 27.2220, 16.7350



43.9297, 27.2220, 95.8675



20.7211, 27.2220, 1.2072

# Square

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



43.9297, 27.2220, 95.8675



43.7717, 27.2220, 4.1090



13.5991, 27.2220, 4.1948



13.6716, 27.2220, 96.5653



# Rectangle

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



43.9297, 27.2220, 95.8675



53.0970, 27.2220, 24.4801



13.5991, 27.2220, 4.1948



10.0331, 27.2220, 35.4786

# Sweetspot

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



43.9309, 27.2230, 95.8681



75.7397, 70.8434, 104.2900



35.5511, 35.0956, 97.8294



15.6224, 14.2943, 22.1856



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.



43.9309, 27.2230, 95.8681



39.2876, 21.3139, 96.6510



60.3444, 35.9567, 84.3416



18.0556, 17.9204, 22.7573



16.5673, 7.4512, 49.9996



1.7362, 0.7889, 4.8740



# Inverse Universe

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



51.3156, 32.3451, 36.7967



48.2853, 27.4684, 28.5783



43.3317, 74.1278, 28.0644



18.3074, 18.1063, 20.2357



22.8447, 11.6272, 7.8328

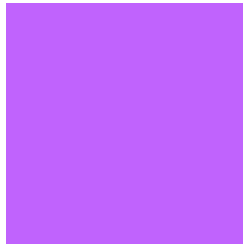


2.2763, 1.1529, 1.0365



# Previews

## White Background



This preview shows how the XYZ color 43.9297, 27.2220, 95.8675 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

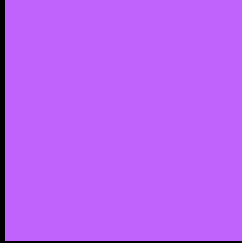
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.9297, 27.2220, 95.8675 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

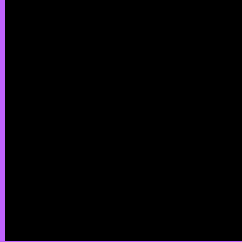
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 43.9297, 27.2220, 95.8675**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.9297, 27.2220, 95.8675.



This preview shows how white text looks on a background with the XYZ color 43.9297, 27.2220,

95.8675.

# 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

43.9297, 27.2220, 95.8675

### Protanopia

31.1204, 27.6637, 98.3071

### Deuteranopia

28.5492, 27.6364, 89.4176



## Tritanopia

30.1576, 27.0399, 28.8291

# Trichromacy



## Original Color

43.9297, 27.2220, 95.8675



## Protanomaly

33.5545, 25.9310, 97.0026



## Deuteranomaly

31.1898, 25.5985, 91.2928



## Tritanomaly

33.8627, 26.2743, 47.5427

# Monochromacy



## Original Color

43.9297, 27.2220, 95.8675



## Achromatopsia

26.5089, 27.8894, 30.3716



## Achromatomaly

31.0688, 26.4761, 48.8203

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.9297, 27.2220, 95.8675 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(192, 99, 253)` looks like.

```
.text, #text, p{  
    color:rgb(192, 99, 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(192, 99, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 99, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 43.9297, 27.2220, 95.8675 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(192, 99, 253) }
```



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

```
.border{ border-color:rgb(192, 99, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 99, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 99, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 99, 253);  
box-shadow:4px 4px 4px 4px rgb(192, 99,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.9297, 27.2220, 95.8675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 99, 253) }
```

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

```
.background{ background-color: rgb(192, 99,  
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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