

# Converting Colors

XYZ(46.1034, 27.2660, 94.9390)

Have a look what the booklet for  
XYZ(46.1034, 27.2660, 94.9390)  
contains.

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# Color

**XYZ(46.2136, 27.3478,  
94.9384)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC5BFC
RGB	204, 91, 252
RGB Percent	80%, 36%, 99%
CMY	0.2000, 0.6431, 0.0118
CMYK	0.19, 0.64, 0.00, 0.01
HSL	282°, 96%, 67%
HSV	282°, 64%, 99%
XYZ	46.2136, 27.3478, 94.9384
YIQ	143.1410, 15.6670, 74.0270

# Conversions

## Conversions Part 2

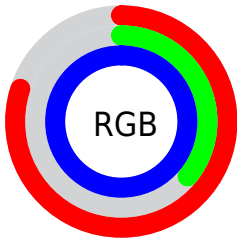
Format	Color
<a href="#">RYB</a>	<a href="#">204, 91, 252</a>
Decimal	<a href="#">13392892</a>
CIELab	<a href="#">59.29, 68.62, -61.25</a>
CIELCh	<a href="#">59, 91.982, 318.249</a>
Yxy	<a href="#">27.3478, 0.2743, 0.1623</a>
Android (android.graphics.Color)	<a href="#">4291582972 (0xFFCC5BFC)</a>
YUV	<a href="#">143.1410, 53.6675, 53.3733</a>
Hunter-Lab	<a href="#">52.2951, 66.2253, -71.0306</a>

# Details

The XYZ color **46.2136, 27.3478, 94.9384** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **47.3469, 75.8657, 22.0465**, and the grayscale version is **25.9540, 27.3056, 29.7358**.

A 20% lighter version of the original color is **69.7237, 49.3474, 100.4579**, and **22.0069, 10.8365, 51.9707** is the 20% darker color. If you saturate the color by 10%, you get **42.4001, 22.7034, 94.2434**, and if you desaturate by 10%, it is **50.8516, 33.4913, 95.8802**.

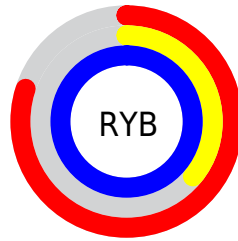
# Distribution



Red (80%)

Green (36%)

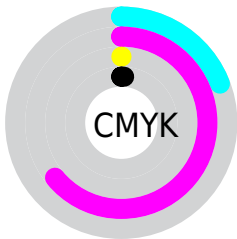
Blue (99%)



Red (80%)

Yellow (36%)

Blue (99%)

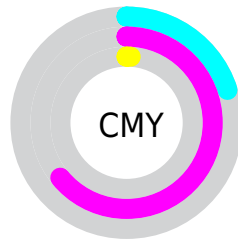


Cyan (19%)

Magenta (64%)

Yellow (0%)

Black (1%)



Cyan (20%)

Magenta (64%)


Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2136, 27.3478, 94.9384 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 46.2136, 27.3478, 94.9384 by changing the saturation by 10% instead.




 46.2136, 27.3478,  
94.9384


 46.2136, 27.3478,  
94.9384


362.3683,  
289.3372, 564.9471


 32.6197, 17.8346,  
71.4871


 83.7645, 55.4415,  
156.1743


 21.9931, 10.8313,  
52.2555


 108.4522, 74.7907,  
194.7961

 13.9684, 5.9535,  
36.8251


 137.5686, 98.1875,  
239.3117

 8.1803, 2.8168,  
24.7774

 171.4791,  
126.0161, 290.1397

 4.2633, 1.0369,  
15.6938

210.5489,  
158.6610, 347.6988

 1.8521, 0.0000,  
9.1557

255.1435,

 0.5488, 0.0000,

196.5065, 412.4073

4.7447

305.6282,  
239.9371, 484.6839

■ 0.0000, 0.0000,  
2.0422

■ 0.0000, 0.0000,  
0.5810

■ 46.2136, 27.3478,  
94.9384

■ 46.2136, 27.3478,  
94.9384

■ 42.4001, 22.7034,  
94.2434

■ 50.8516, 33.4913,  
95.8802

■ 39.3306, 19.4028,  
93.7681

■ 56.3773, 41.2619,  
97.0889

■ 36.9124, 17.2614,  
93.4822

■ 62.8511, 50.7773,  
98.5843

■ 35.6730, 16.3603,  
93.3736

■ 70.3269, 62.1432,  
100.3842

78.8543, 75.4569,  
102.5045

88.4792, 90.8087,  
104.9604

94.5708, 99.8083,  
106.3765

# Harmonies

## Analogous

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



33.5465, 27.3478, 139.4113



46.2136, 27.3478, 94.9384



54.1902, 27.3478, 44.6172

# Triad

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



46.2136, 27.3478, 94.9384



30.7590, 27.3478, 0.8514



10.1466, 27.3478, 54.3211

# Complementary

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



46.2136, 27.3478, 94.9384



47.3469, 75.8657, 22.0465

# 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.



9.8042, 27.3478, 18.6572



46.2136, 27.3478, 94.9384



19.6685, 27.3478, 1.0421

# Square

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



46.2136, 27.3478, 94.9384



43.6622, 27.3478, 3.1191



12.7456, 27.3478, 4.3877



13.8792, 27.3478, 106.3581



# Rectangle

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



46.2136, 27.3478, 94.9384



54.5739, 27.3478, 21.5876



12.7456, 27.3478, 4.3877



9.6823, 27.3478, 39.8131

# Sweetspot

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



46.2148, 27.3489, 94.9390



76.3780, 70.2506, 104.1419



31.1621, 27.8057, 95.8206



15.8220, 14.2183, 22.1604



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.



46.2148, 27.3489, 94.9390



42.4814, 22.1099, 96.6364



56.7785, 33.3352, 71.0140



17.4597, 17.2496, 21.7946



18.7379, 8.6024, 48.6464



1.8421, 0.8517, 4.5105



# Inverse Universe

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



48.5469, 30.0425, 27.6669



46.0080, 25.6408, 19.4119



42.7132, 73.2807, 30.6990



17.4575, 17.3104, 18.9991



21.6320, 11.0685, 4.7707



2.0480, 1.0429, 0.6762



# Previews

## White Background



This preview shows how the XYZ color 46.2136, 27.3478, 94.9384 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

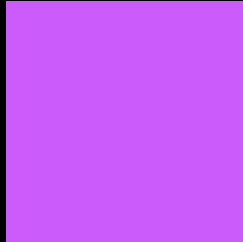
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 46.2136, 27.3478, 94.9384 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

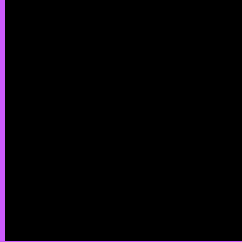
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 46.2136, 27.3478, 94.9384**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.2136, 27.3478, 94.9384.



This preview shows how white text looks on a background with the XYZ color 46.2136, 27.3478,



# 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

46.2136, 27.3478, 94.9384

### Protanopia

31.1204, 27.6637, 98.3071

### Deuteranopia

28.6728, 27.7350, 87.8466



## Tritanopia

32.0837, 27.1101, 26.4634

# Trichromacy



## Original Color

46.2136, 27.3478, 94.9384



## Protanomaly

33.9022, 25.7420, 96.9478



## Deuteranomaly

31.7139, 25.3141, 90.4034



## Tritanomaly

35.9333, 26.3621, 45.3140

# Monochromacy



## Original Color

46.2136, 27.3478, 94.9384



## Achromatopsia

26.1081, 27.4677, 29.9124



## Achromatomaly

31.2719, 25.8335, 48.1379

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.2136, 27.3478, 94.9384 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(204, 91, 252)` looks like.

```
.text, #text, p{  
    color:rgb(204, 91, 252)  
}
```

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(204, 91, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 91, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 46.2136, 27.3478, 94.9384 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(204, 91, 252) }
```



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

```
.border{ border-color:rgb(204, 91, 252) }
```

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

Here you see how a box with a 4 pixel rgb(204, 91, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 91, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 91, 252);  
box-shadow:4px 4px 4px 4px rgb(204, 91,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.2136, 27.3478, 94.9384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 91, 252) }
```

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

```
.background{ background-color: rgb(204, 91,  
252) }
```

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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