

# Converting Colors

XYZ(43.6918, 34.5239, 91.5498)

Have a look what the booklet for  
XYZ(43.6918, 34.5239, 91.5498)  
contains.

<b>XYZ(43.6918, 34.5239, 91.5498)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(43.6918, 34.5239,  
91.5498)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AF8CF6
RGB	175, 140, 246
RGB Percent	69%, 55%, 96%
CMY	0.3137, 0.4510, 0.0353
CMYK	0.29, 0.43, 0.00, 0.04
HSL	260°, 85%, 76%
HSV	260°, 43%, 96%
XYZ	43.6918, 34.5239, 91.5498
YIQ	162.5490, -13.1660, 40.3860

# Conversions

## Conversions Part 2

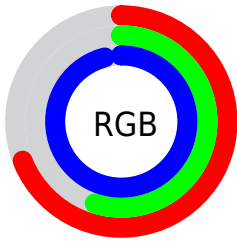
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">175, 140, 246</a>
Decimal	<a href="#">11504886</a>
CIELab	<a href="#">65.38, 35.12, -48.46</a>
CIELCh	<a href="#">65, 59.854, 305.933</a>
Yxy	<a href="#">34.5239, 0.2574, 0.2034</a>
Android (android.graphics.Color)	<a href="#">4289694966 (0xFFAF8CF6)</a>
YUV	<a href="#">162.5490, 41.1413, 10.9195</a>
Hunter-Lab	<a href="#">58.7570, 29.9080, -51.2503</a>

# Details

The XYZ color **43.6918, 34.5239, 91.5498** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.5540, 81.6545, 37.1706**, and the grayscale version is **34.4185, 36.2109, 39.4337**.

A 20% lighter version of the original color is **70.9461, 63.1272, 103.0532**, and **20.5034, 14.8119, 49.9225** is the 20% darker color. If you saturate the color by 10%, you get **37.0157, 26.3300, 90.3207**, and if you desaturate by 10%, it is **51.6252, 44.5599, 93.0694**.

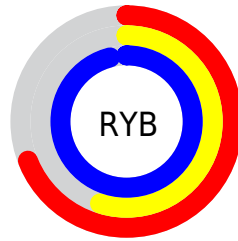
# Distribution



Red (69%)

Green (55%)

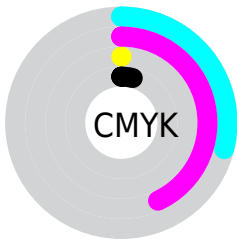
Blue (96%)



Red (69%)

Yellow (55%)

Blue (96%)

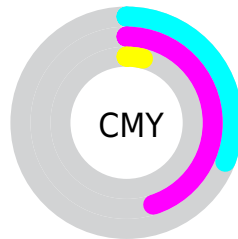


Cyan (29%)

Magenta (43%)

Yellow (0%)

Black (4%)



Cyan (31%)

Magenta (45%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6918, 34.5239, 91.5498 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 43.6918, 34.5239, 91.5498 by changing the saturation by 10% instead.





 43.6918, 34.5239,  
91.5498

 43.6918, 34.5239,  
91.5498

352.3226,  
322.4618, 553.7592


 30.6252, 23.2964,  
68.6858


 80.0030, 66.7476,  
151.4435

 20.4640, 14.8125,  
49.9857

 103.9783, 88.5125,  
189.3104

 12.8430, 8.6879,  
35.0309


 132.3205,  
114.5586, 233.0153

 7.3968, 4.5382,  
23.4030

165.3949,  
145.2704, 282.9767

 3.7600, 1.9789,  
14.6832

203.5670,  
181.0322, 339.6133

 1.5673, 0.5952,  
8.4532

247.2021,

 0.3709, 0.0000,

222.2285, 403.3435

4.2944

296.6655,  
269.2435, 474.5860

■ 0.0000, 0.0000,  
1.7882

■ 0.0000, 0.0000,  
0.4202

■ 43.6918, 34.5239,  
91.5498

■ 43.6918, 34.5239,  
91.5498

■ 37.0157, 26.3300,  
90.3207

■ 51.6252, 44.5599,  
93.0694

■ 31.5226, 19.8575,  
89.3609

■ 60.8765, 56.5403,  
94.8943

■ 27.1359, 14.9771,  
88.6501

■ 71.5069, 70.5643,  
97.0409

■ 23.7669, 11.5390,  
88.1640

■ 83.5723, 86.7233,  
99.5240

■ 21.3107, 9.3621,  
87.8733

■ 93.6347, 99.4339,  
101.4470

■ 20.0477, 8.4133,  
87.7568

# Harmonies

## Analogous

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



34.5810, 34.5239, 108.6179



43.6918, 34.5239, 91.5498



50.6657, 34.5239, 60.8211

# Triad

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



43.6918, 34.5239, 91.5498



40.1522, 34.5239, 8.5526



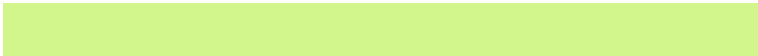
18.7811, 34.5239, 42.7856

# Complementary

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



43.6918, 34.5239, 91.5498



64.5540, 81.6545, 37.1706

# 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.



19.7417, 34.5239, 21.1866



43.6918, 34.5239, 91.5498



31.1081, 34.5239, 7.1718

# Square

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



43.6918, 34.5239, 91.5498



48.3815, 34.5239, 15.8367



23.9103, 34.5239, 10.5429



21.0050, 34.5239, 73.4801



# Rectangle

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



43.6918, 34.5239, 91.5498



52.5837, 34.5239, 41.1073



23.9103, 34.5239, 10.5429



18.7482, 34.5239, 34.2806

# Sweetspot

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



43.6931, 34.5252, 91.5506



77.6692, 76.6722, 105.3134



51.1027, 59.5342, 95.9873



16.0497, 15.6481, 22.4244



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.



43.6931, 34.5252, 91.5506



40.8233, 29.3644, 98.1240



57.5556, 41.6716, 92.1994



16.0966, 16.1924, 20.8196



10.8322, 4.5585, 46.8470



1.0561, 0.4543, 4.1223



# Inverse Universe

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



59.1428, 43.0532, 66.8213



60.0337, 39.9915, 66.3250



52.0745, 75.2212, 36.5866



16.9674, 16.6698, 19.5747



23.9677, 11.9305, 20.3359

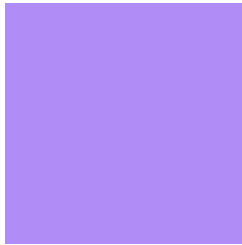


2.1539, 1.0675, 2.0367



# Previews

## White Background



This preview shows how the XYZ color 43.6918, 34.5239, 91.5498 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

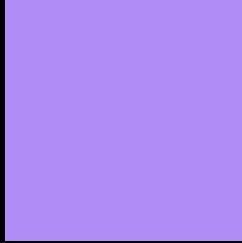
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.6918, 34.5239, 91.5498 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

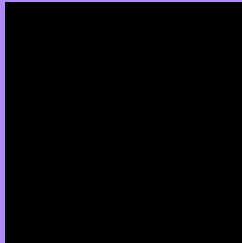
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.6918, 34.5239, 91.5498**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.6918, 34.5239, 91.5498.



This preview shows how white text looks on a background with the XYZ color 43.6918, 34.5239,



# 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

43.6918, 34.5239, 91.5498

### Protanopia

37.6842, 34.9900, 99.3753

### Deuteranopia

35.7251, 34.7161, 88.8224



## Tritanopia

33.7156, 34.4521, 42.4090

# Trichromacy



## Original Color

43.6918, 34.5239, 91.5498

## Protanomaly

39.2923, 34.4164, 96.6676

## Deuteranomaly

37.8917, 34.0932, 89.3776

## Tritanomaly

36.6617, 34.1638, 57.4853

# Monochromacy



## Original Color

43.6918, 34.5239, 91.5498

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

37.2833, 35.5084, 55.3408

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.6918, 34.5239, 91.5498 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(175, 140, 246)` looks like.

```
.text, #text, p{  
    color:rgb(175, 140, 246)  
}
```

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(175, 140, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 140, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 43.6918, 34.5239, 91.5498 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(175, 140, 246) }
```



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

```
.border{ border-color:rgb(175, 140, 246) }
```

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

Here you see how a box with a 4 pixel rgb(175, 140, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 140, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 140, 246);  
box-shadow:4px 4px 4px 4px rgb(175, 140,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.6918, 34.5239, 91.5498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 140, 246) }
```

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

```
.background{ background-color: rgb(175,  
140, 246) }
```

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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