

# Converting Colors

XYZ(34.3013, 18.0614, 19.0703)

Have a look what the booklet for  
XYZ(34.3013, 18.0614, 19.0703)  
contains.

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# Color

**XYZ(34.2777, 18.0529,  
19.1307)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DF2077
RGB	223, 32, 119
RGB Percent	87%, 13%, 47%
CMY	0.1255, 0.8744, 0.5333
CMYK	0.00, 0.86, 0.47, 0.13
HSL	333°, 75%, 50%
HSV	333°, 86%, 87%
XYZ	34.2777, 18.0529, 19.1307
YIQ	99.0270, 85.9090, 67.5490

# Conversions

## Conversions Part 2

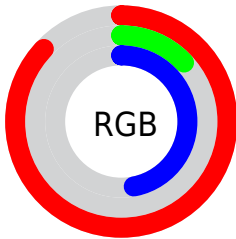
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 32, 119
Decimal	14622839
CIE Lab	49.56, 73.31, 1.02
CIE LCh	50, 73.320, 0.795
Yxy	18.0529, 0.4797, 0.2526
Android (android.graphics.Color)	4292812919 (0xFFDF2077)
YUV	99.0270, 9.8467, 108.7243
Hunter-Lab	42.4887, 69.6494, 3.0465

# Details

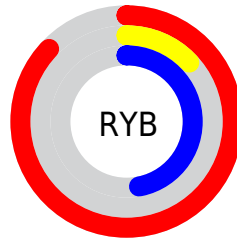
The XYZ color **34.2777, 18.0529, 19.1307** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **31.4292, 54.8607, 32.2324**, and the grayscale version is **11.8298, 12.4459, 13.5536**.

A 20% lighter version of the original color is **53.3421, 33.7030, 42.2220**, and **15.8353, 8.0320, 6.6770** is the 20% darker color. If you saturate the color by 10%, you get **33.1832, 16.9575, 15.3946**, and if you desaturate by 10%, it is **35.8719, 19.9987, 23.4934**.

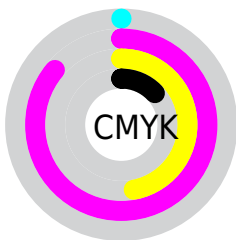
# Distribution



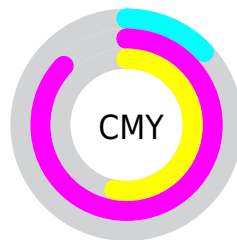
- Red (87%)
- Green (13%)
- Blue (47%)



- Red (87%)
- Yellow (13%)
- Blue (47%)



- Cyan (0%)
- Magenta (86%)
- Yellow (47%)
- Black (13%)




- Cyan (13%)
- Magenta (87%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2777, 18.0529, 19.1307 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 34.2777, 18.0529, 19.1307 by changing the saturation by 10% instead.





 34.2777, 18.0529,  
19.1307


 34.2777, 18.0529,  
19.1307


312.9327,  
241.1690, 259.6161


 23.2709, 10.9880,  
11.5870


 65.7067, 40.1274,  
42.7945


 14.9155, 6.0588,  
6.3440


 86.8596, 55.9059,  
59.7516


 8.8460, 2.8808,  
2.9832


 112.1253, 75.3575,  
80.6836

 4.6972, 1.0698,  
1.0861

 141.8692, 98.8669,  
106.0091

 2.1036, 0.0000,  
0.0000

 176.4564,  
126.8184, 136.1465

 0.6912, 0.0000,  
0.0000

 216.2526,

 0.0000, 0.0000,

159.5963, 171.5145

0.0000

261.6229,  
197.5850, 212.5315

■ 34.2777, 18.0529,  
19.1307

■ 34.2777, 18.0529,  
19.1307

■ 33.1832, 16.9575,  
15.3946

■ 35.8719, 19.9987,  
23.4934

■ 32.8080, 16.6386,  
13.9396

■ 38.0384, 22.9345,  
28.5229

■ 40.8383, 26.9775,  
34.2553

■ 44.3238, 32.2275,  
40.7228

■ 48.5416, 38.7731,  
47.9553

■ 53.5340, 46.6946,  
55.9804

■ 59.3399, 56.0655,  
64.8244

■ 65.9957, 66.9543,  
74.5121

■ 73.5353, 79.4249,  
85.0669

# Harmonies

## Analogous

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



31.6565, 18.0529, 44.8508



34.2777, 18.0529, 19.1307



31.3786, 18.0529, 5.8569

# Triad

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



34.2777, 18.0529, 19.1307



11.1890, 18.0529, 1.7067



11.4321, 18.0529, 75.5163

# Complementary

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



34.2777, 18.0529, 19.1307



31.4292, 54.8607, 32.2324

# 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.



8.0529, 18.0529, 46.4625



34.2777, 18.0529, 19.1307



7.9416, 18.0529, 6.2766

# Square

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



34.2777, 18.0529, 19.1307



16.9741, 18.0529, 0.8485



6.9691, 18.0529, 20.1919



17.3447, 18.0529, 88.0727



# Rectangle

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



34.2777, 18.0529, 19.1307



27.0613, 18.0529, 2.4185



6.9691, 18.0529, 20.1919



10.0253, 18.0529, 66.6902

# Sweetspot

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



34.2782, 18.0539, 19.1310



72.1456, 62.6352, 75.2333



23.6480, 11.4199, 70.7697



14.9150, 12.5660, 15.2686



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.



34.2782, 18.0539, 19.1310



44.4004, 22.5242, 18.5725



31.3978, 17.2034, 3.0337



13.9655, 13.8038, 15.5886



19.3462, 9.8055, 8.4886



1.3857, 0.6976, 0.8240



# Inverse Universe

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



34.2782, 18.0539, 19.1310



44.4004, 22.5242, 18.5725



38.6341, 55.0722, 78.4056



13.9655, 13.8038, 15.5886



19.3462, 9.8055, 8.4886



1.3857, 0.6976, 0.8240



# Previews

## White Background



This preview shows how the XYZ color 34.2777, 18.0529, 19.1307 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 34.2777, 18.0529, 19.1307 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

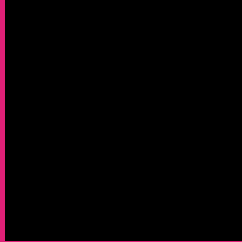
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.2777, 18.0529, 19.1307**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.2777, 18.0529, 19.1307.



This preview shows how white text looks on a background with the XYZ color 34.2777, 18.0529,



# 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

34.2777, 18.0529, 19.1307

### Protanopia

19.0453, 18.4557, 39.1177

### Deuteranopia

18.6181, 18.3738, 17.3171



## Tritanopia

31.5482, 18.1395, 5.5799

# Trichromacy



## Original Color

34.2777, 18.0529, 19.1307

## Protanomaly

20.8654, 15.0606, 30.6614

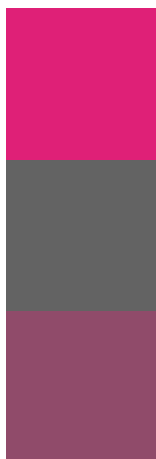
## Deuteranomaly

21.9550, 15.7962, 17.5146

## Tritanomaly

32.2071, 17.8907, 9.1529

# Monochromacy



## Original Color

34.2777, 18.0529, 19.1307

## Achromatopsia

11.8596, 12.4772, 13.5877

## Achromatomaly

16.6192, 12.0021, 15.0764

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.2777, 18.0529, 19.1307 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(223, 32, 119)` looks like.

```
.text, #text, p{  
  color:rgb(223, 32, 119)  
}
```

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(223, 32, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 32, 119) }
```

## Border

The CSS property to change the border of an element to XYZ 34.2777, 18.0529, 19.1307 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(223, 32, 119) }
```



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

```
.border{ border-color:rgb(223, 32, 119) }
```

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

Here you see how a box with a 4 pixel rgb(223, 32, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 32, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 32, 119);  
box-shadow:4px 4px 4px 4px rgb(223, 32,  
119) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.2777, 18.0529, 19.1307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 32, 119) }
```

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

```
.background{ background-color: rgb(223, 32,  
119) }
```

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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