

# Converting Colors

XYZ(36.5876, 21.1916, 19.9313)

Have a look what the booklet for  
XYZ(36.5876, 21.1916, 19.9313)  
contains.

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# Color

**XYZ(36.5876, 21.1916,  
19.9313)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E24078
RGB	226, 64, 120
RGB Percent	89%, 25%, 47%
CMY	0.1137, 0.7490, 0.5294
CMYK	0.00, 0.72, 0.47, 0.11
HSL	339°, 74%, 57%
HSV	339°, 72%, 89%
XYZ	36.5876, 21.1916, 19.9313
YIQ	118.8220, 78.5760, 51.7600

# Conversions

## Conversions Part 2

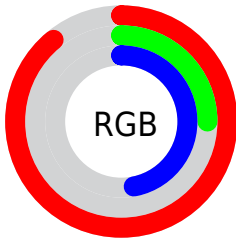
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 64, 120
Decimal	14827640
CIE Lab	53.16, 65.62, 5.68
CIE LCh	53, 65.869, 4.947
Yxy	21.1916, 0.4708, 0.2727
Android (android.graphics.Color)	4293017720 (0xFFE24078)
YUV	118.8220, 0.5808, 93.9951
Hunter-Lab	46.0343, 61.3098, 6.5535

# Details

The XYZ color **36.5876, 21.1916, 19.9313** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **36.5680, 58.3856, 47.3774**, and the grayscale version is **17.4605, 18.3698, 20.0047**.

A 20% lighter version of the original color is **55.7694, 38.4045, 43.5032**, and **16.6867, 8.4672, 6.8857** is the 20% darker color. If you saturate the color by 10%, you get **34.7319, 18.8074, 15.2214**, and if you desaturate by 10%, it is **39.0991, 24.6656, 25.5440**.

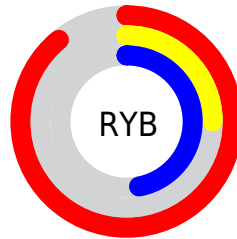
# Distribution



Red (89%)

Green (25%)

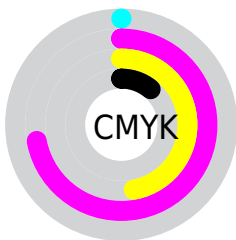
Blue (47%)



Red (89%)

Yellow (25%)

Blue (47%)

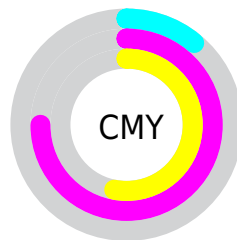


Cyan (0%)

Magenta (72%)

Yellow (47%)

Black (11%)



Cyan (11%)

Magenta (75%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5876, 21.1916, 19.9313 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 36.5876, 21.1916, 19.9313 by changing the saturation by 10% instead.





 36.5876, 21.1916,  
19.9313


 36.5876, 21.1916,  
19.9313


322.9082,  
258.2950, 264.1349


 25.0606, 13.2641,  
12.1615

 69.2560, 45.4062,  
44.1594


 16.2511, 7.6107,  
6.7299


 91.1281, 62.4621,  
61.4549


 9.7940, 3.8469,  
3.2179


 117.1792, 83.3296,  
82.7626

 5.3238, 1.5883,  
1.2069

 147.7748,  
108.3931, 108.5012

 2.4752, 0.3497,  
0.0000

 183.2801,  
138.0370, 139.0892

 0.8828, 0.0000,  
0.0000

224.0605,

 0.0000, 0.0000,

172.6457, 174.9451

0.0000

270.4815,  
212.6036, 216.4875

■ 36.5876, 21.1916,  
19.9313

■ 36.5876, 21.1916,  
19.9313

■ 34.7319, 18.8074,  
15.2214

■ 39.0991, 24.6656,  
25.5440

■ 33.4572, 17.3735,  
11.3576


■ 42.3262, 29.3394,  
32.1084


■ 32.7432, 16.7204,  
8.7308


■ 46.3235, 35.3135,  
39.6702


■ 51.1398, 42.6766,  
48.2719

■ 56.8194, 51.5097,  
57.9531

 63.4036, 61.8873,  
68.7513

 70.9308, 73.8790,  
80.7020

 79.4371, 87.5501,  
93.8391

 84.8691, 94.7868,  
106.8324

# Harmonies

## Analogous

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



34.8206, 21.1916, 43.3502



36.5876, 21.1916, 19.9313



33.1884, 21.1916, 7.3701

# Triad

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



36.5876, 21.1916, 19.9313



13.4209, 21.1916, 3.7805



15.0005, 21.1916, 77.9434

# Complementary

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



36.5876, 21.1916, 19.9313



36.5680, 58.3856, 47.3774

# 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.



11.0601, 21.1916, 52.6402



36.5876, 21.1916, 19.9313



10.3059, 21.1916, 10.3738

# Square

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



36.5876, 21.1916, 19.9313



19.0124, 21.1916, 2.0976



9.5532, 21.1916, 26.5309



21.3154, 21.1916, 85.9842



# Rectangle

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



36.5876, 21.1916, 19.9313



28.8250, 21.1916, 3.7927



9.5532, 21.1916, 26.5309



13.4054, 21.1916, 70.6671

# Sweetspot

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



36.5882, 21.1928, 19.9316



74.3334, 67.1380, 75.5702



31.9888, 17.6276, 73.6678



15.4525, 13.6549, 15.4046



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.



36.5882, 21.1928, 19.9316



44.7586, 23.6624, 17.3915



35.8048, 23.5693, 7.5143



13.9018, 13.7784, 15.2532



18.7305, 9.5592, 5.2467



1.3395, 0.6791, 0.5804



# Inverse Universe

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



36.5882, 21.1928, 19.9316



44.7586, 23.6624, 17.3915



36.8930, 48.6824, 79.4035



13.9018, 13.7784, 15.2532



18.7305, 9.5592, 5.2467



1.3395, 0.6791, 0.5804



# Previews

## White Background



This preview shows how the XYZ color 36.5876, 21.1916, 19.9313 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

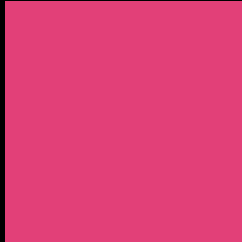
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.5876, 21.1916, 19.9313 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

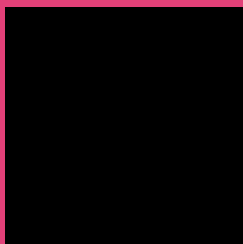
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 36.5876, 21.1916, 19.9313**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.5876, 21.1916, 19.9313.



This preview shows how white text looks on a background with the XYZ color 36.5876, 21.1916,



# 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

36.5876, 21.1916, 19.9313

### Protanopia

21.3468, 21.3870, 34.4555

### Deuteranopia

21.6846, 21.3555, 18.3084



## Tritanopia

34.5644, 21.2949, 9.4963

# Trichromacy



## Original Color

36.5876, 21.1916, 19.9313

## Protanomaly

24.1062, 19.0546, 28.3940

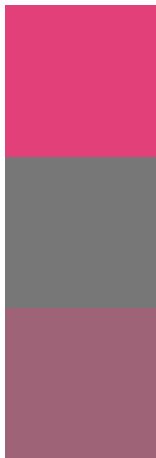
## Deuteranomaly

25.3014, 19.7392, 18.6962

## Tritanomaly

35.2173, 21.1782, 12.5876

# Monochromacy



## Original Color

36.5876, 21.1916, 19.9313

## Achromatopsia

17.5343, 18.4475, 20.0893

## Achromatomaly

21.8922, 17.5247, 19.6815

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.5876, 21.1916, 19.9313 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(226, 64, 120)` looks like.

```
.text, #text, p{  
    color:rgb(226, 64, 120)  
}
```

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(226, 64, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 64, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 36.5876, 21.1916, 19.9313 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(226, 64, 120) }
```



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

```
.border{ border-color:rgb(226, 64, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 64, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 64, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 64, 120);  
box-shadow:4px 4px 4px 4px rgb(226, 64,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.5876, 21.1916, 19.9313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 64, 120) }
```

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

```
.background{ background-color: rgb(226, 64,  
120) }
```

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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