

# Converting Colors

XYZ(35.3076, 19.5175, 15.4647)

Have a look what the booklet for  
XYZ(35.3076, 19.5175, 15.4647)  
contains.

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# Color

**XYZ(35.3784, 19.5681,  
15.5480)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E3316A
RGB	227, 49, 106
RGB Percent	89%, 19%, 42%
CMY	0.1098, 0.8078, 0.5843
CMYK	0.00, 0.78, 0.53, 0.11
HSL	341°, 76%, 54%
HSV	341°, 78%, 89%
XYZ	35.3784, 19.5681, 15.5480
YIQ	108.7200, 87.7910, 55.4630

# Conversions

## Conversions Part 2

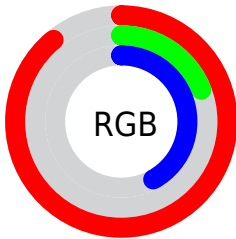
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">227, 49, 106</a>
Decimal	<a href="#">14889322</a>
CIELab	<a href="#">51.35, 69.39, 11.58</a>
CIElCh	<a href="#">51, 70.347, 9.472</a>
Yxy	<a href="#">19.5681, 0.5019, 0.2776</a>
Android (android.graphics.Color)	<a href="#">4293079402 (0xFFE3316A)</a>
YUV	<a href="#">108.7200, -1.3410, 103.7316</a>
Hunter-Lab	<a href="#">44.2358, 65.3458, 10.1259</a>

# Details

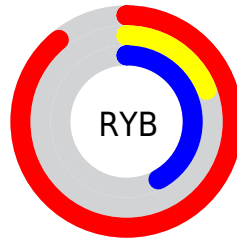
The XYZ color **35.3784, 19.5681, 15.5480** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed rose. A complement of this color would be **35.9933, 58.4941, 47.4302**, and the grayscale version is **14.4445, 15.1967, 16.5493**.

A 20% lighter version of the original color is **53.1200, 35.2827, 35.9088**, and **16.3065, 8.3151, 4.8832** is the 20% darker color. If you saturate the color by 10%, you get **33.9246, 17.8315, 11.4540**, and if you desaturate by 10%, it is **37.4551, 22.3198, 20.5625**.

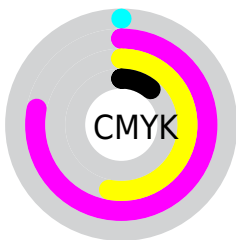
# Distribution



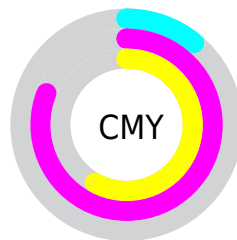
- Red (89%)
- Green (19%)
- Blue (42%)



- Red (89%)
- Yellow (19%)
- Blue (42%)



- Cyan (0%)
- Magenta (78%)
- Yellow (53%)
- Black (11%)




- Cyan (11%)
- Magenta (81%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3784, 19.5681, 15.5480 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 35.3784, 19.5681, 15.5480 by changing the saturation by 10% instead.




 35.3784, 19.5681,  
15.5480


 35.3784, 19.5681,  
15.5480


317.7143,  
249.5673, 238.4135


 24.1224, 12.0815,  
9.0540


 67.4017, 42.6919,  
36.5675


 15.5497, 6.7992,  
4.6791


 88.8997, 59.0978,  
51.9301

 9.2949, 3.3368,  
2.0048


 114.5425, 79.2457,  
71.0860

 4.9927, 1.3100,  
0.5582

 144.6953,  
103.5198, 94.4537

 2.2777, 0.1489,  
0.0000

 179.7235,  
132.3047, 122.4518

 0.7832, 0.0000,  
0.0000

219.9925,

 0.0000, 0.0000,

165.9846, 155.4987

0.0000

265.8676,  
204.9440, 194.0131

■ 35.3784, 19.5681,  
15.5480

■ 35.3784, 19.5681,  
15.5480

■ 33.9246, 17.8315,  
11.4540

■ 37.4551, 22.3198,  
20.5625

■ 32.9924, 16.9192,  
8.2079


■ 40.2237, 26.2123,  
26.5554


■ 32.8705, 16.8077,  
7.7595


■ 43.7448, 31.3567,  
33.5800


■ 48.0719, 37.8496,  
41.6853

■ 53.2534, 45.7784,  
50.9167

 59.3337, 55.2228,  
61.3169

 66.3540, 66.2568,  
72.9263

 74.3530, 78.9493,  
85.7833

 83.3672, 93.3653,  
99.9244

# Harmonies

## Analogous

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



34.3532, 19.5681, 37.9756



35.3784, 19.5681, 15.5480



31.1112, 19.5681, 4.9528

# Triad

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



35.3784, 19.5681, 15.5480



11.2594, 19.5681, 3.2139



14.2487, 19.5681, 82.0404

# Complementary

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



35.3784, 19.5681, 15.5480



35.9933, 58.4941, 47.4302

# 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.



9.9918, 19.5681, 56.6219



35.3784, 19.5681, 15.5480



8.5923, 19.5681, 10.4073

# Square

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



35.3784, 19.5681, 15.5480



16.4613, 19.5681, 1.3884



8.1956, 19.5681, 28.3353



20.9139, 19.5681, 86.8767



# Rectangle

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



35.3784, 19.5681, 15.5480



26.3477, 19.5681, 2.3290



8.1956, 19.5681, 28.3353



12.5411, 19.5681, 75.0993

# Sweetspot

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



35.3789, 19.5692, 15.5483



72.5477, 64.5788, 71.8550



31.0425, 16.0326, 74.1313



14.9440, 12.9183, 14.3709



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.



35.3789, 19.5692, 15.5483



43.3489, 22.3837, 12.1714



35.0060, 22.0984, 5.3276



14.5662, 14.4437, 15.9160



19.2173, 9.8212, 4.7735



1.4612, 0.7422, 0.5694



# Inverse Universe

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



35.3789, 19.5692, 15.5483



43.3489, 22.3837, 12.1714



35.1749, 46.2844, 79.7527



14.5662, 14.4437, 15.9160



19.2173, 9.8212, 4.7735

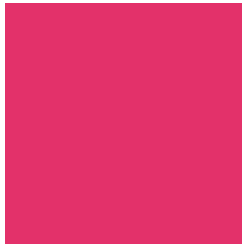


1.4612, 0.7422, 0.5694



# Previews

## White Background



This preview shows how the XYZ color 35.3784, 19.5681, 15.5480 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 35.3784, 19.5681, 15.5480 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

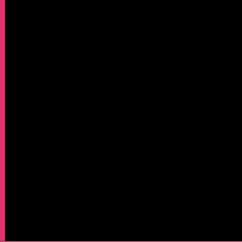
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.3784, 19.5681, 15.5480**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.3784, 19.5681, 15.5480.



This preview shows how white text looks on a background with the XYZ color 35.3784, 19.5681,

15.5480.

# 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

35.3784, 19.5681, 15.5480

### Protanopia

19.6013, 19.8546, 29.1848

### Deuteranopia

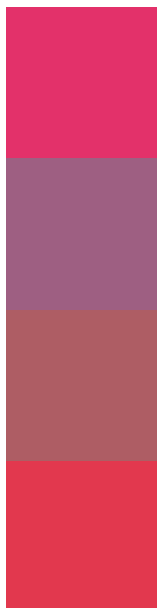
19.9638, 19.6596, 14.0517



## Tritanopia

33.5367, 19.5871, 6.5705

# Trichromacy



## Original Color

35.3784, 19.5681, 15.5480

## Protanomaly

22.2220, 17.0652, 23.2418

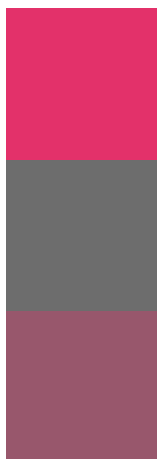
## Deuteranomaly

23.6702, 17.7475, 14.2346

## Tritanomaly

34.1534, 19.5472, 9.1806

# Monochromacy



## Original Color

35.3784, 19.5681, 15.5480

## Achromatopsia

14.5356, 15.2926, 16.6537

## Achromatomaly

19.0639, 14.5745, 15.9957

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.3784, 19.5681, 15.5480 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(227, 49, 106)` looks like.

```
.text, #text, p{  
    color:rgb(227, 49, 106)  
}
```

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(227, 49, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 49, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 35.3784, 19.5681, 15.5480 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(227, 49, 106) }
```



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

```
.border{ border-color:rgb(227, 49, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 49, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 49, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 49, 106);  
box-shadow:4px 4px 4px 4px rgb(227, 49,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.3784, 19.5681, 15.5480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 49, 106) }
```

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

```
.background{ background-color: rgb(227, 49,  
106) }
```

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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