

# Converting Colors

XYZ(36.2539, 19.7281, 12.9634)

Have a look what the booklet for  
XYZ(36.2539, 19.7281, 12.9634)  
contains.

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# Color

**XYZ(36.2539, 19.7281,  
12.9634)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E82B60
RGB	232, 43, 96
RGB Percent	91%, 17%, 38%
CMY	0.0902, 0.8313, 0.6235
CMYK	0.00, 0.81, 0.59, 0.09
HSL	343°, 80%, 54%
HSV	343°, 81%, 91%
XYZ	36.2539, 19.7281, 12.9634
YIQ	105.5530, 95.6310, 56.5510

# Conversions

## Conversions Part 2

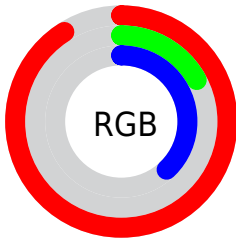
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 43, 96
Decimal	15215456
CIE <sub>Lab</sub>	51.53, 71.54, 18.04
CIE <sub>LCh</sub>	52, 73.780, 14.152
Yxy	19.7281, 0.5258, 0.2861
Android (android.graphics.Color)	4293405536 (0xFFE82B60)
YUV	105.5530, -4.7096, 110.8940
Hunter-Lab	44.4163, 67.9683, 13.7870

# Details

The XYZ color **36.2539, 19.7281, 12.9634** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **37.9918, 61.4822, 52.5216**, and the grayscale version is **13.5738, 14.2807, 15.5517**.

A 20% lighter version of the original color is **51.8969, 34.2726, 31.0741**, and **16.9379, 8.6653, 3.7975** is the 20% darker color. If you saturate the color by 10%, you get **34.9479, 18.2186, 9.1300**, and if you desaturate by 10%, it is **38.2030, 22.2630, 17.8168**.

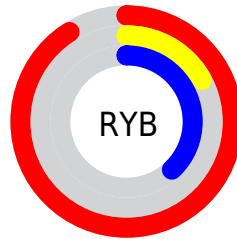
# Distribution



Red (91%)

Green (17%)

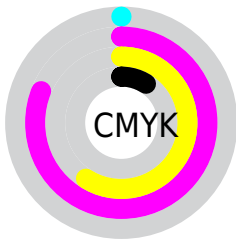
Blue (38%)



Red (91%)

Yellow (17%)

Blue (38%)

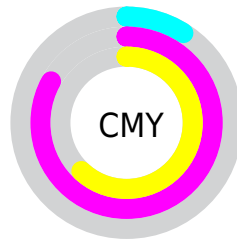


Cyan (0%)

Magenta (81%)

Yellow (59%)

Black (9%)



Cyan (9%)

Magenta (83%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2539, 19.7281, 12.9634 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 36.2539, 19.7281, 12.9634 by changing the saturation by 10% instead.





 36.2539, 19.7281,  
12.9634

 36.2539, 19.7281,  
12.9634


321.4808,  
250.4393, 221.8826

 24.8014, 12.1976,  
7.2729


 68.7451, 42.9609,  
31.9282

 16.0571, 6.8784,  
3.5523


 90.5144, 59.4318,  
46.0397


 9.6557, 3.3861,  
1.3831


 116.4535, 79.6518,  
63.7952

 5.2318, 1.3365,  
0.1285

 146.9275,  
104.0050, 85.6133

 2.4200, 0.1692,  
0.0000

 182.3019,  
132.8760, 111.9125

 0.8551, 0.0000,  
0.0000

222.9420,

 0.0000, 0.0000,

166.6492, 143.1115

0.0000

269.2132,  
205.7088, 179.6286

■ 36.2539, 19.7281,  
12.9634

■ 36.2539, 19.7281,  
12.9634

■ 34.9479, 18.2186,  
9.1300

■ 38.2030, 22.2630,  
17.8168


■ 34.2339, 17.5379,  
6.5884


■ 40.8743, 25.9656,  
23.7631


■ 44.3362, 30.9588,  
30.8686


■ 48.6484, 37.3492,  
39.1934

■ 53.8648, 45.2320,  
48.7936

 60.0346, 54.6941,  
59.7214

 67.2035, 65.8157,  
72.0258

 75.4140, 78.6715,  
85.7537

 84.7062, 93.3315,  
100.9493

# Harmonies

## Analogous

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



36.0846, 19.7281, 34.6739



36.2539, 19.7281, 12.9634



30.9552, 19.7281, 3.7439

# Triad

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



36.2539, 19.7281, 12.9634



10.4692, 19.7281, 3.4834



15.1203, 19.7281, 89.5793

# Complementary

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



36.2539, 19.7281, 12.9634



37.9918, 61.4822, 52.5216

# 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.



10.2681, 19.7281, 64.3291



36.2539, 19.7281, 12.9634



8.1070, 19.7281, 12.1471

# Square

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



36.2539, 19.7281, 12.9634



15.4764, 19.7281, 1.2309



8.0446, 19.7281, 33.0914



22.4576, 19.7281, 90.3925



# Rectangle

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



36.2539, 19.7281, 12.9634



25.6801, 19.7281, 1.7043



8.0446, 19.7281, 33.0914



13.1959, 19.7281, 83.1747

# Sweetspot

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



36.2544, 19.7293, 12.9637



72.2399, 64.4556, 70.2341



33.8945, 17.0740, 77.8527



14.8713, 12.8892, 13.9881



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.



36.2544, 19.7293, 12.9637



42.5709, 21.8809, 8.6653



36.8824, 23.6653, 4.9111



14.5422, 14.4341, 15.7898



19.0517, 9.7549, 3.9013



1.4465, 0.7363, 0.4920



# Inverse Universe

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



36.2544, 19.7293, 12.9637



42.5709, 21.8809, 8.6653



34.2049, 43.6250, 82.9612



14.5422, 14.4341, 15.7898



19.0517, 9.7549, 3.9013

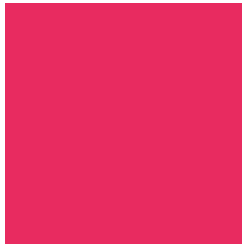


1.4465, 0.7363, 0.4920



# Previews

## White Background



This preview shows how the XYZ color 36.2539, 19.7281, 12.9634 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 36.2539, 19.7281, 12.9634 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

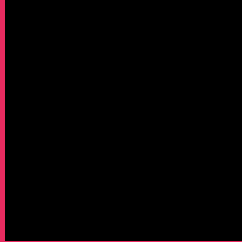
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 36.2539, 19.7281, 12.9634

## Background



This preview shows how black text looks on a background with the XYZ color 36.2539, 19.7281, 12.9634.



This preview shows how white text looks on a background with the XYZ color 36.2539, 19.7281,



# 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

36.2539, 19.7281, 12.9634

### Protanopia

19.4850, 20.0703, 25.0373

### Deuteranopia

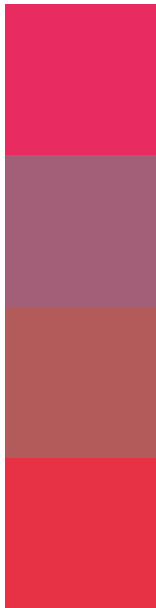
20.2314, 19.8480, 11.7816



## Tritanopia

34.6419, 19.7372, 5.5983

# Trichromacy



## Original Color

36.2539, 19.7281, 12.9634

## Protanomaly

22.4971, 17.1480, 19.8935

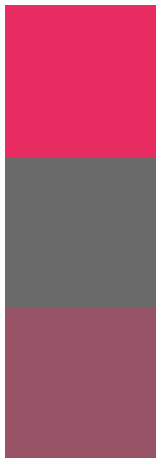
## Deuteranomaly

23.9466, 17.6853, 11.8243

## Tritanomaly

35.2011, 19.7123, 7.7439

# Monochromacy



## Original Color

36.2539, 19.7281, 12.9634

## Achromatopsia

13.6994, 14.4128, 15.6956

## Achromatomaly

18.4404, 13.8212, 14.2662

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.2539, 19.7281, 12.9634 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(232, 43, 96)` looks like.

```
.text, #text, p{  
    color:rgb(232, 43, 96)  
}
```

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(232, 43, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 43, 96) }
```

## Border

The CSS property to change the border of an element to XYZ 36.2539, 19.7281, 12.9634 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(232, 43, 96) }
```



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

```
.border{ border-color:rgb(232, 43, 96) }
```

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

Here you see how a box with a 4 pixel rgb(232, 43, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 43, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 43, 96);  
box-shadow:4px 4px 4px 4px rgb(232, 43,  
96) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.2539, 19.7281, 12.9634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 43, 96) }
```

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

```
.background{ background-color: rgb(232, 43,  
96) }
```

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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