

Converting Colors

XYZ(34.9879, 19.2981, 12.6801)

Have a look what the booklet for
XYZ(34.9879, 19.2981, 12.6801)
contains.

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Color

**XYZ(35.0770, 19.3532,
12.7133)**

Conversions

Conversions Part 1

Format	Color
Hex	E42F5F
RGB	228, 47, 95
RGB Percent	89%, 18%, 37%
CMY	0.1059, 0.8156, 0.6274
CMYK	0.00, 0.79, 0.58, 0.11
HSL	344°, 77%, 54%
HSV	344°, 79%, 89%
XYZ	35.0770, 19.3532, 12.7133
YIQ	106.5910, 92.4680, 53.3000

Conversions

Conversions Part 2

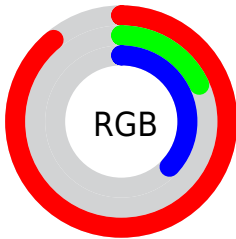
Format	Color
R_{YB}	228, 47, 95
Decimal	14954335
CIE _{Lab}	51.10, 69.43, 17.93
CIE _{LCh}	51, 71.708, 14.483
Yxy	19.3532, 0.5224, 0.2882
Android (android.graphics.Color)	4293144415 (0xFFE42F5F)
YUV	106.5910, -5.7144, 106.4757
Hunter-Lab	43.9923, 65.3395, 13.6604

Details

The XYZ color **35.0770, 19.3532, 12.7133** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **37.1559, 59.3871, 52.6918**, and the grayscale version is **13.8612, 14.5830, 15.8809**.

A 20% lighter version of the original color is **52.0353, 34.6732, 30.7381**, and **16.0928, 8.2296, 3.7579** is the 20% darker color. If you saturate the color by 10%, you get **33.7098, 17.7097, 8.8956**, and if you desaturate by 10%, it is **37.0844, 22.0155, 17.5528**.

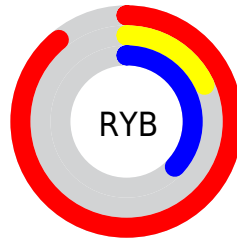
Distribution



Red (89%)

Green (18%)

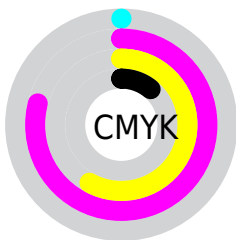
Blue (37%)



Red (89%)

Yellow (18%)

Blue (37%)

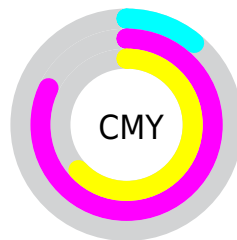


Cyan (0%)

Magenta (79%)

Yellow (58%)

Black (11%)



Cyan (11%)


Magenta (82%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0770, 19.3532, 12.7133 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 35.0770, 19.3532, 12.7133 by changing the saturation by 10% instead.


 35.0770, 19.3532,
12.7133


 35.0770, 19.3532,
12.7133


316.4101,
248.3917, 220.2149

 23.8890, 11.9258,
7.1030


 66.9383, 42.3301,
31.4713

 15.3756, 6.6932,
3.4472


 88.3422, 58.6483,
45.4562


 9.1714, 3.2710,
1.3273


 113.8822, 78.6989,
63.0696

 4.9112, 1.2748,
0.0840

 143.9236,
102.8664, 84.7302

 2.2295, 0.1215,
0.0000

 178.8318,
131.5349, 110.8565

 0.7582, 0.0000,
0.0000

218.9720,

 0.0000, 0.0000,

165.0891, 141.8670

0.0000

264.7097,
203.9132, 178.1803

■ 35.0770, 19.3532,
12.7133

■ 35.0770, 19.3532,
12.7133

■ 33.7098, 17.7097,
8.8956

■ 37.0844, 22.0155,
17.5528

■ 32.8657, 16.8669,
6.0080


■ 39.8053, 25.8271,
23.4858


■ 32.8224, 16.8250,
5.8554


■ 43.3042, 30.9026,
30.5778


■ 47.6374, 37.3418,
38.8886

■ 52.8561, 45.2342,
48.4737

 59.0071, 54.6619,
59.3850

 66.1339, 65.7007,
71.6715

 74.2772, 78.4214,
85.3794

 83.4754, 92.8905,
100.5531

Harmonies

Analogous

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



34.9787, 19.3532, 33.3902



35.0770, 19.3532, 12.7133



29.9852, 19.3532, 3.8143

Triad

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



35.0770, 19.3532, 12.7133



10.3766, 19.3532, 3.6563



14.9716, 19.3532, 85.8696

Complementary

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



35.0770, 19.3532, 12.7133



37.1559, 59.3871, 52.6918

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.



10.2578, 19.3532, 62.1809



35.0770, 19.3532, 12.7133



8.1098, 19.3532, 12.2314

Square

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



35.0770, 19.3532, 12.7133



15.1807, 19.3532, 1.3470



8.0728, 19.3532, 32.4696



22.0329, 19.3532, 86.3378

Rectangle

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



35.0770, 19.3532, 12.7133



24.9408, 19.3532, 1.8025



8.0728, 19.3532, 32.4696



13.1076, 19.3532, 79.9055

Sweetspot

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



35.0775, 19.3543, 12.7136



72.1235, 64.4091, 69.6209



33.7818, 17.3074, 74.9587



14.8438, 12.8782, 13.8435



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.



35.0775, 19.3543, 12.7136



42.7196, 22.0770, 9.0272



36.1009, 23.8848, 5.3984



14.5331, 14.4304, 15.7418



18.9948, 9.7321, 3.6014



1.4413, 0.7342, 0.4644

Inverse Universe

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



35.0775, 19.3543, 12.7136



42.7196, 22.0770, 9.0272



32.6869, 41.2270, 79.6333



14.5331, 14.4304, 15.7418



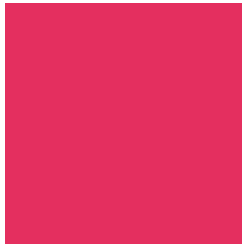
18.9948, 9.7321, 3.6014



1.4413, 0.7342, 0.4644

Previews

White Background



This preview shows how the XYZ color 35.0770, 19.3532, 12.7133 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 35.0770, 19.3532, 12.7133 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 35.0770, 19.3532, 12.7133

Background



This preview shows how black text looks on a background with the XYZ color 35.0770, 19.3532, 12.7133.



This preview shows how white text looks on a background with the XYZ color 35.0770, 19.3532,

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

35.0770, 19.3532, 12.7133

Protanopia

19.0148, 19.6683, 23.9133

Deuteranopia

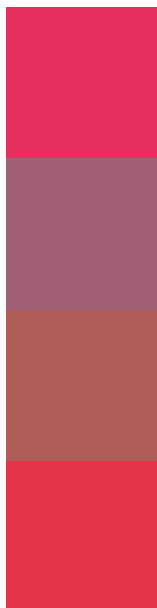
19.8951, 19.5055, 11.5204



Tritanopia

33.5419, 19.3026, 5.9609

Trichromacy



Original Color

35.0770, 19.3532, 12.7133

Protanomaly

22.0010, 17.0458, 18.9602

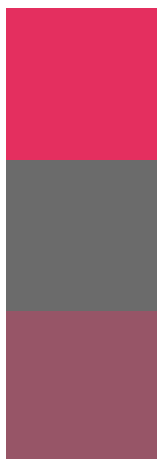
Deuteranomaly

23.5348, 17.6057, 11.6090

Tritanomaly

34.0890, 19.3320, 7.8960

Monochromacy



Original Color

35.0770, 19.3532, 12.7133

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

18.4592, 14.0556, 14.5721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0770, 19.3532, 12.7133 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(228, 47, 95)` looks like.

```
.text, #text, p{  
    color:rgb(228, 47, 95)  
}
```

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(228, 47, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 47, 95) }
```

Border

The CSS property to change the border of an element to XYZ 35.0770, 19.3532, 12.7133 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(228, 47, 95) }
```


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

```
.border{ border-color:rgb(228, 47, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 47, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 47, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 47, 95);  
box-shadow:4px 4px 4px 4px rgb(228, 47,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0770, 19.3532, 12.7133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 47, 95) }
```

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

```
.background{ background-color: rgb(228, 47,  
95) }
```

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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