

Converting Colors

XYZ(35.4917, 19.4018, 12.3450)

Have a look what the booklet for
XYZ(35.4917, 19.4018, 12.3450)
contains.

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Color

**XYZ(35.5096, 19.4147,
12.2318)**

Conversions

Conversions Part 1

Format	Color
Hex	E62C5D
RGB	230, 44, 93
RGB Percent	90%, 17%, 36%
CMY	0.0980, 0.8274, 0.6353
CMYK	0.00, 0.81, 0.60, 0.10
HSL	344°, 79%, 54%
HSV	344°, 81%, 90%
XYZ	35.5096, 19.4147, 12.2318
YIQ	105.2000, 95.1270, 54.6710

Conversions

Conversions Part 2

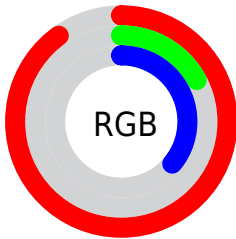
Format	Color
RYB	230, 44, 93
Decimal	15084637
CIELab	51.17, 70.59, 19.31
CIElCh	51, 73.184, 15.295
Yxy	19.4147, 0.5288, 0.2891
Android (android.graphics.Color)	4293274717 (0xFFE62C5D)
YUV	105.2000, -6.0146, 109.4496
Hunter-Lab	44.0621, 66.7442, 14.3844

Details

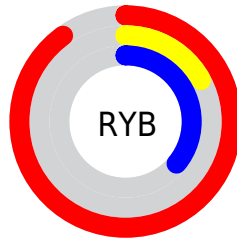
The XYZ color **35.5096, 19.4147, 12.2318** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **37.6782, 60.4660, 53.4099**, and the grayscale version is **13.4813, 14.1833, 15.4457**.

A 20% lighter version of the original color is **51.6666, 34.1804, 29.8610**, and **16.4699, 8.4289, 3.5552** is the 20% darker color. If you saturate the color by 10%, you get **34.2080, 17.8825, 8.4968**, and if you desaturate by 10%, it is **37.4525, 21.9638, 17.0010**.

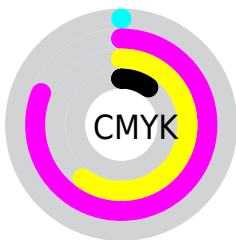
Distribution



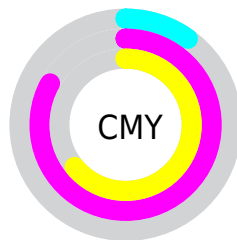
- Red (90%)
- Green (17%)
- Blue (36%)



- Red (90%)
- Yellow (17%)
- Blue (36%)



- Cyan (0%)
- Magenta (81%)
- Yellow (60%)
- Black (10%)





- Cyan (10%)
- Magenta (83%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.5096, 19.4147, 12.2318 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 35.5096, 19.4147, 12.2318 by changing the saturation by 10% instead.


 35.5096, 19.4147,
12.2318


 35.5096, 19.4147,
12.2318


318.2807,
248.7287, 216.9660


 24.2240, 11.9703,
6.7773


 67.6033, 42.4337,
30.5873

 15.6255, 6.7235,
3.2469


 89.1422, 58.7771,
44.3253


 9.3487, 3.2898,
1.2220


 114.8295, 78.8556,
61.6616

 5.0283, 1.2848,
0.0000

 145.0307,
103.0536, 83.0147

 2.2988, 0.1294,
0.0000

 180.1110,
131.7555, 108.8032

 0.7940, 0.0000,
0.0000

220.4359,

 0.0000, 0.0000,

165.3457, 139.4455

0.0000

266.3707,
204.2087, 175.3603

■ 35.5096, 19.4147,
12.2318

■ 35.5096, 19.4147,
12.2318

■ 34.2080, 17.8825,
8.4968

■ 37.4525, 21.9638,
17.0010


■ 33.4639, 17.1553,
5.9029


■ 40.1138, 25.6674,
22.8795


■ 43.5608, 30.6453,
29.9357


■ 47.8522, 37.0010,
38.2316

■ 53.0410, 44.8277,
47.8251

 59.1756, 54.2102,
58.7698

 66.3011, 65.2266,
71.1164

 74.4594, 77.9503,
84.9131

 83.6903, 92.4496,
100.2054

Harmonies

Analogous

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



35.5674, 19.4147, 33.0313



35.5096, 19.4147, 12.2318



30.1511, 19.4147, 3.5334

Triad

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



35.5096, 19.4147, 12.2318



10.1871, 19.4147, 3.6228



15.1240, 19.4147, 88.4252

Complementary

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



35.5096, 19.4147, 12.2318



37.6782, 60.4660, 53.4099

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.



10.2559, 19.4147, 64.3324



35.5096, 19.4147, 12.2318



7.9575, 19.4147, 12.5110

Square

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



35.5096, 19.4147, 12.2318



15.0023, 19.4147, 1.2582



7.9788, 19.4147, 33.5716



22.3961, 19.4147, 88.1479

Rectangle

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



35.5096, 19.4147, 12.2318



24.9412, 19.4147, 1.6331



7.9788, 19.4147, 33.5716



13.2007, 19.4147, 82.4501

Sweetspot

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



35.5101, 19.4159, 12.2321



72.1100, 64.4037, 69.5502



34.1008, 17.2676, 76.3982



14.8407, 12.8769, 13.8268



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.



35.5101, 19.4159, 12.2321



42.5189, 21.9044, 8.2550



36.5296, 23.8883, 5.0701



14.5321, 14.4300, 15.7362



18.9884, 9.7296, 3.5679



1.4407, 0.7340, 0.4613

Inverse Universe

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



35.5101, 19.4159, 12.2321



42.5189, 21.9044, 8.2550



33.0086, 41.6217, 81.1565



14.5321, 14.4300, 15.7362



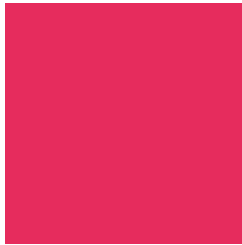
18.9884, 9.7296, 3.5679



1.4407, 0.7340, 0.4613

Previews

White Background



This preview shows how the XYZ color 35.5096, 19.4147, 12.2318 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 35.5096, 19.4147, 12.2318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

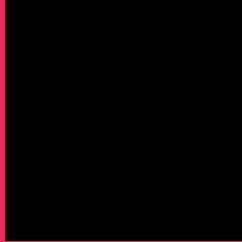
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.5096, 19.4147, 12.2318

Background



This preview shows how black text looks on a background with the XYZ color 35.5096, 19.4147, 12.2318.



This preview shows how white text looks on a background with the XYZ color 35.5096, 19.4147,

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

35.5096, 19.4147, 12.2318

Protanopia

19.0242, 19.6885, 23.2197

Deuteranopia

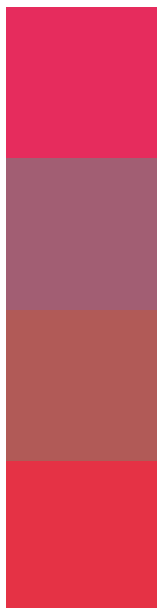
19.8156, 19.4737, 11.1019



Tritanopia

34.0037, 19.4081, 5.5684

Trichromacy



Original Color

35.5096, 19.4147, 12.2318

Protanomaly

21.9975, 16.9246, 18.3270

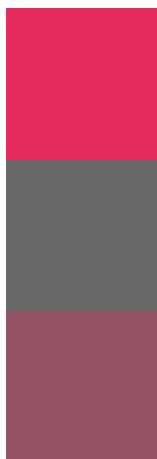
Deuteranomaly

23.5079, 17.3476, 11.1262

Tritanomaly

34.5279, 19.3689, 7.5490

Monochromacy



Original Color

35.5096, 19.4147, 12.2318

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

18.0199, 13.6101, 13.9892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5096, 19.4147, 12.2318 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(230, 44, 93)` looks like.

```
.text, #text, p{  
    color:rgb(230, 44, 93)  
}
```

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(230, 44, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 44, 93) }
```

Border

The CSS property to change the border of an element to XYZ 35.5096, 19.4147, 12.2318 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(230, 44, 93) }
```


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

```
.border{ border-color:rgb(230, 44, 93) }
```

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

Here you see how a box with a 4 pixel rgb(230, 44, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 44, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 44, 93);  
box-shadow:4px 4px 4px 4px rgb(230, 44,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5096, 19.4147, 12.2318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 44, 93) }
```

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

```
.background{ background-color: rgb(230, 44,  
93) }
```

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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