

Converting Colors

XYZ(35.8538, 19.0323, 8.6664)

Have a look what the booklet for
XYZ(35.8538, 19.0323, 8.6664)
contains.

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Color

**XYZ(35.7005, 18.9428,
8.6122)**

Conversions

Conversions Part 1

Format	Color
Hex	EA1E4C
RGB	234, 30, 76
RGB Percent	92%, 12%, 30%
CMY	0.0824, 0.8823, 0.7020
CMYK	0.00, 0.87, 0.68, 0.08
HSL	346°, 83%, 52%
HSV	346°, 87%, 92%
XYZ	35.7005, 18.9428, 8.6122
YIQ	96.2400, 106.8180, 57.5540

Conversions

Conversions Part 2

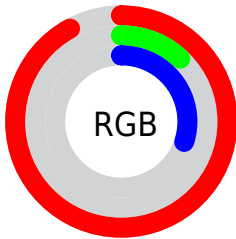
Format	Color
R_{YB}	234, 30, 76
Decimal	15343180
CIE Lab	50.62, 73.60, 29.01
CIE LCh	51, 79.113, 21.513
Yxy	18.9428, 0.5644, 0.2995
Android (android.graphics.Color)	4293533260 (0xFFEA1E4C)
YUV	96.2400, -9.9783, 120.8155
Hunter-Lab	43.5233, 70.2508, 18.7343

Details

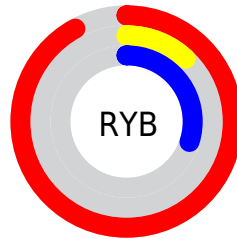
The XYZ color **35.7005, 18.9428, 8.6122** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **39.0385, 62.7536, 57.6458**, and the grayscale version is **11.1848, 11.7673, 12.8146**.

A 20% lighter version of the original color is **49.6930, 32.2434, 23.0065**, and **16.8521, 8.6559, 2.2214** is the 20% darker color. If you saturate the color by 10%, you get **34.7640, 17.9404, 5.6169**, and if you desaturate by 10%, it is **37.2501, 20.8879, 12.6879**.

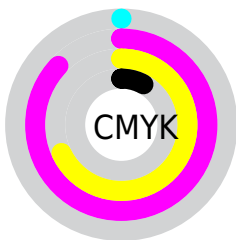
Distribution



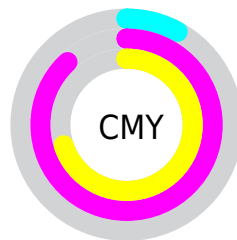
- Red (92%)
- Green (12%)
- Blue (30%)



- Red (92%)
- Yellow (12%)
- Blue (30%)



- Cyan (0%)
- Magenta (87%)
- Yellow (68%)
- Black (8%)




- Cyan (8%)
- Magenta (88%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7005, 18.9428, 8.6122 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 35.7005, 18.9428, 8.6122 by changing the saturation by 10% instead.

 35.7005, 18.9428,
8.6122


 35.7005, 18.9428,
8.6122


319.1037,
246.1328, 190.5683


 24.3720, 11.6290,
4.3958


 67.8964, 41.6374,
23.7158

 15.7360, 6.4916,
1.8449


 89.4946, 57.7870,
35.4401

 9.4272, 3.1462,
0.4573


 115.2467, 77.6506,
50.5041

 5.0802, 1.2085,
0.0000

 145.5181,
101.6126, 69.3263

 2.3296, 0.0687,
0.0000

 180.6741,
130.0574, 92.3253

 0.8098, 0.0000,
0.0000

 221.0802,

 0.0000, 0.0000,

163.3695, 119.9196

0.0000

267.1016,
201.9331, 152.5277

■ 35.7005, 18.9428,
8.6122

■ 35.7005, 18.9428,
8.6122

■ 34.7640, 17.9404,
5.6169

■ 37.2501, 20.8879,
12.6879

■ 34.5682, 17.7470,
4.9408

■ 39.5118, 23.9511,
17.9434

■ 42.5650, 28.2718,
24.4658

■ 46.4775, 33.9679,
32.3331

■ 51.3099, 41.1439,
41.6168

57.1171, 49.8938,
52.3832

63.9496, 60.3041,
64.6944

71.8543, 72.4548,
78.6087

80.8753, 86.4208,
94.1815

Harmonies

Analogous

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



37.0973, 18.9428, 27.5767



35.7005, 18.9428, 8.6122



28.9443, 18.9428, 2.0191

Triad

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



35.7005, 18.9428, 8.6122



8.6879, 18.9428, 3.8470



15.8963, 18.9428, 98.0109

Complementary

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



35.7005, 18.9428, 8.6122



39.0385, 62.7536, 57.6458

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.



10.2406, 18.9428, 75.2009



35.7005, 18.9428, 8.6122



6.9328, 18.9428, 14.9531

Square

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



35.7005, 18.9428, 8.6122



13.0804, 18.9428, 0.9561



7.4055, 18.9428, 40.5332



24.0313, 18.9428, 91.1074

Rectangle

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



35.7005, 18.9428, 8.6122



23.1475, 18.9428, 0.8562



7.4055, 18.9428, 40.5332



13.6861, 18.9428, 93.1947

Sweetspot

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



35.7009, 18.9440, 8.6125



70.2295, 61.8688, 65.1434



35.6645, 17.3603, 79.3126



14.4670, 12.3868, 12.9093



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.



35.7009, 18.9440, 8.6125



41.9905, 21.5602, 5.8819



37.3691, 23.9920, 3.8913



15.2045, 15.1097, 16.3622



19.4647, 9.9886, 2.9824



1.5641, 0.7986, 0.4218

Inverse Universe

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



35.7009, 18.9440, 8.6125



41.9905, 21.5602, 5.8819



31.6293, 38.7007, 83.6444



15.2045, 15.1097, 16.3622



19.4647, 9.9886, 2.9824



1.5641, 0.7986, 0.4218

Previews

White Background



This preview shows how the XYZ color 35.7005, 18.9428, 8.6122 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 35.7005, 18.9428, 8.6122 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 35.7005, 18.9428, 8.6122

Background



This preview shows how black text looks on a background with the XYZ color 35.7005, 18.9428, 8.6122.

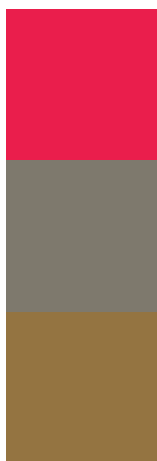


This preview shows how white text looks on a background with the XYZ color 35.7005, 18.9428,

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

35.7005, 18.9428, 8.6122

Protanopia

18.2019, 19.2145, 17.2174

Deuteranopia

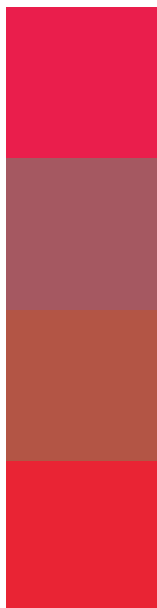
19.4123, 19.1683, 7.6777



Tritanopia

34.7293, 18.9877, 3.7540

Trichromacy



Original Color

35.7005, 18.9428, 8.6122

Protanomaly

21.1644, 15.8418, 13.2516

Deuteranomaly

22.9131, 16.5104, 7.6094

Tritanomaly

34.8550, 18.8333, 5.0469

Monochromacy



Original Color

35.7005, 18.9428, 8.6122

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

15.9746, 11.4670, 10.8226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7005, 18.9428, 8.6122 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(234, 30, 76)` looks like.

```
.text, #text, p{  
    color:rgb(234, 30, 76)  
}
```

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(234, 30, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 30, 76) }
```

Border

The CSS property to change the border of an element to XYZ 35.7005, 18.9428, 8.6122 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(234, 30, 76) }
```


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

```
.border{ border-color:rgb(234, 30, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 30, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 30, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 30, 76);  
box-shadow:4px 4px 4px 4px rgb(234, 30,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7005, 18.9428, 8.6122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 30, 76) }
```

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

```
.background{ background-color: rgb(234, 30,  
76) }
```

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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