

Converting Colors

XYZ(30.5428, 7.6596, 5.0928)

Have a look what the booklet for
XYZ(30.5428, 7.6596, 5.0928)
contains.

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Color

**XYZ(35.9084, 18.3979,
6.8128)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0042
RGB	237, 0, 66
RGB Percent	93%, 0%, 26%
CMY	0.0706, 0.9998, 0.7412
CMYK	0.00, 1.00, 0.72, 0.07
HSL	343°, 100%, 46%
HSV	343°, 100%, 93%
XYZ	35.9084, 18.3979, 6.8128
YIQ	78.3870, 120.0660, 70.7700

Conversions

Conversions Part 2

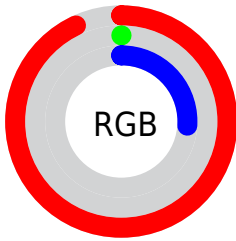
Format	Color
R_{YB}	237, 0, 66
Decimal	15532098
CIE _{Lab}	49.98, 77.08, 34.35
CIE _{LCh}	50, 84.388, 24.020
Yxy	18.3979, 0.5875, 0.3010
Android (android.graphics.Color)	4293722178 (0xFFED0042)
YUV	78.3870, -6.1068, 139.1036
Hunter-Lab	42.8928, 74.3719, 20.6077

Details

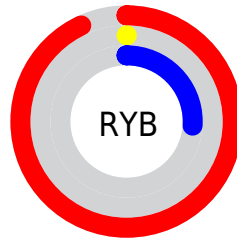
The XYZ color **35.9084, 18.3979, 6.8128** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **37.6412, 63.5109, 48.8332**, and the grayscale version is **7.3164, 7.6975, 8.3825**.

A 20% lighter version of the original color is **48.2800, 30.4803, 19.2582**, and **17.1781, 8.8366, 1.6644** is the 20% darker color. If you saturate the color by 10%, you get **35.9068, 18.3972, 6.8060**, and if you desaturate by 10%, it is **36.8119, 19.2740, 9.9848**.

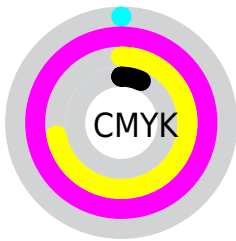
Distribution



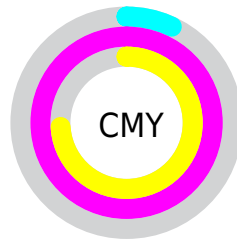
- Red (93%)
- Green (0%)
- Blue (26%)



- Red (93%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9084, 18.3979, 6.8128 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 35.9084, 18.3979, 6.8128 by changing the saturation by 10% instead.

 35.9084, 18.3979,
6.8128


 35.9084, 18.3979,
6.8128


319.9982,
243.1043, 175.6705

 24.5332, 11.2360,
3.2686


 68.2155, 40.7142,
20.1020


 15.8565, 6.2258,
1.2334


 89.8781, 56.6374,
30.6842


 9.5129, 2.9829,
0.0062


 115.7005, 76.2498,
44.4494

 5.1370, 1.1228,
0.0000

 146.0482, 99.9359,
61.8162

 2.3634, 0.0000,
0.0000

 181.2865,
128.0800, 83.2032

 0.8268, 0.0000,
0.0000

 221.7807,

 0.0000, 0.0000,

161.0665, 109.0289

0.0000

267.8961,
199.2798, 139.7118

■ 35.9084, 18.3979,
6.8128

■ 35.9084, 18.3979,
6.8128

■ 35.9068, 18.3972,
6.8060

■ 36.8119, 19.2740,
9.9848

■ 38.2702, 20.9986,
14.1457

■ 40.4176, 23.8231,
19.3944

■ 43.3367, 27.8967,
25.8077

■ 47.0979, 33.3451,
33.4548

■ 51.7630, 40.2787,
42.3987

■ 57.3882, 48.7963,
52.6982

■ 64.0246, 58.9884,
64.4082

■ 71.7200, 70.9386,
77.5804

Harmonies

Analogous

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



37.9884, 18.3979, 25.0452



35.9084, 18.3979, 6.8128



28.3197, 18.3979, 1.2788

Triad

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



35.9084, 18.3979, 6.8128



7.6721, 18.3979, 3.5967



15.9144, 18.3979, 105.1367

Complementary

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



35.9084, 18.3979, 6.8128



37.6412, 63.5109, 48.8332

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.



9.8426, 18.3979, 82.1041



35.9084, 18.3979, 6.8128



6.1239, 18.3979, 15.7371

Square

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



35.9084, 18.3979, 6.8128



11.8845, 18.3979, 0.6351



6.7733, 18.3979, 44.2125



24.6197, 18.3979, 94.5836

Rectangle

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



35.9084, 18.3979, 6.8128



22.1321, 18.3979, 0.3521



6.7733, 18.3979, 44.2125



13.5415, 18.3979, 100.7294

Sweetspot

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



35.9088, 18.3991, 6.8131



67.6608, 57.4604, 62.0396



31.8354, 14.6469, 81.2694



13.8515, 11.3398, 12.1366



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.



35.9088, 18.3991, 6.8131



42.3762, 21.7145, 7.9133



36.1264, 20.4071, 2.0367



15.2377, 15.1229, 16.5372



19.6519, 10.0634, 3.9681



1.5828, 0.8061, 0.5205

Inverse Universe

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



35.9088, 18.3991, 6.8131



42.3762, 21.7145, 7.9133



32.7746, 41.0906, 86.3240



15.2377, 15.1229, 16.5372



19.6519, 10.0634, 3.9681



1.5828, 0.8061, 0.5205

Previews

White Background



This preview shows how the XYZ color 35.9084, 18.3979, 6.8128 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 35.9084, 18.3979, 6.8128 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 35.9084, 18.3979, 6.8128

Background



This preview shows how black text looks on a background with the XYZ color 35.9084, 18.3979, 6.8128.



This preview shows how white text looks on a background with the XYZ color 35.9084, 18.3979,

6.8128.

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

35.9084, 18.3979, 6.8128

Protanopia

17.8232, 18.9040, 14.2647

Deuteranopia

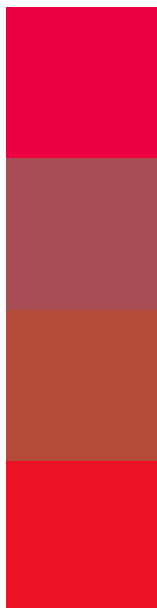
19.1910, 18.9174, 6.1300



Tritanopia

35.1103, 18.6672, 2.4144

Trichromacy



Original Color

35.9084, 18.3979, 6.8128

Protanomaly

20.4126, 14.1656, 10.4625

Deuteranomaly

22.2023, 14.8943, 5.7077

Tritanomaly

35.1264, 18.3673, 3.4441

Monochromacy



Original Color

35.9084, 18.3979, 6.8128

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

12.5300, 8.0099, 7.3642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9084, 18.3979, 6.8128 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(237, 0, 66)` looks like.

```
.text, #text, p{  
  color:rgb(237, 0, 66)  
}
```

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(237, 0, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 66) }
```

Border

The CSS property to change the border of an element to XYZ 35.9084, 18.3979, 6.8128 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(237, 0, 66) }
```


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

```
.border{ border-color:rgb(237, 0, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 0, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 66);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 66)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.9084, 18.3979, 6.8128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 66) }
```

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

```
.background{ background-color: rgb(237, 0,  
66) }
```

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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