

Converting Colors

XYZ(36.5383, 19.1584, 8.0413)

Have a look what the booklet for
XYZ(36.5383, 19.1584, 8.0413)
contains.

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Color

**XYZ(36.4340, 19.0984,
8.0694)**

Conversions

Conversions Part 1

Format	Color
Hex	ED1749
RGB	237, 23, 73
RGB Percent	93%, 9%, 29%
CMY	0.0706, 0.9097, 0.7137
CMYK	0.00, 0.90, 0.69, 0.07
HSL	346°, 86%, 51%
HSV	346°, 90%, 93%
XYZ	36.4340, 19.0984, 8.0694
YIQ	92.6860, 111.4940, 60.9180

Conversions

Conversions Part 2

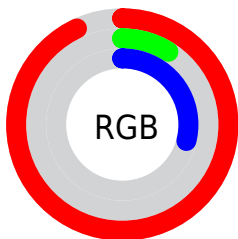
Format	Color
R_{YB}	237, 23, 73
Decimal	15537993
CIE Lab	50.80, 75.27, 31.17
CIE LCh	51, 81.469, 22.493
Yxy	19.0984, 0.5728, 0.3003
Android (android.graphics.Color)	4293728073 (0xFFED1749)
YUV	92.6860, -9.7052, 126.5634
Hunter-Lab	43.7017, 72.3370, 19.6435

Details

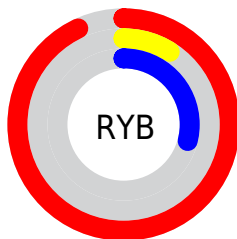
The XYZ color **36.4340, 19.0984, 8.0694** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **39.6113, 64.3397, 57.3637**, and the grayscale version is **10.3392, 10.8777, 11.8458**.

A 20% lighter version of the original color is **49.2484, 31.7548, 21.6228**, and **17.2476, 8.8644, 2.0302** is the 20% darker color. If you saturate the color by 10%, you get **35.6226, 18.2835, 5.3094**, and if you desaturate by 10%, it is **37.8262, 20.7745, 11.9513**.

Distribution



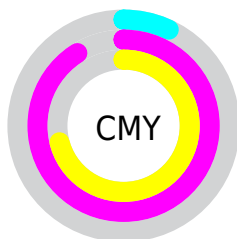
- Red (93%)
- Green (9%)
- Blue (29%)



- Red (93%)
- Yellow (9%)
- Blue (29%)



- Cyan (0%)
- Magenta (90%)
- Yellow (69%)
- Black (7%)





- Cyan (7%)
- Magenta (91%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4340, 19.0984, 8.0694 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 36.4340, 19.0984, 8.0694 by changing the saturation by 10% instead.


 36.4340, 19.0984,
8.0694


 36.4340, 19.0984,
8.0694

322.2518,
246.9914, 186.2302

 24.9412, 11.7414,
4.0510


 69.0209, 41.9003,
22.6428

 16.1618, 6.5678,
1.6534


 90.8458, 58.1140,
34.0349


 9.7303, 3.1933,
0.3285


 116.8453, 78.0487,
48.7219

 5.2814, 1.2335,
0.0000

 147.3850,
102.0889, 67.1224

 2.4497, 0.0888,
0.0000

 182.8301,
130.6188, 89.6549

 0.8700, 0.0000,
0.0000

 223.5461,

 0.0000, 0.0000,

164.0230, 116.7381

0.0000

269.8982,
202.6857, 148.7903

■ 36.4340, 19.0984,
8.0694

■ 36.4340, 19.0984,
8.0694

■ 35.6226, 18.2835,
5.3094

■ 37.8262, 20.7745,
11.9513

■ 39.9204, 23.5505,
17.0033

■ 42.8027, 27.5790,
23.3162

■ 46.5458, 32.9871,
30.9705

■ 51.2139, 39.8862,
40.0399

■ 56.8650, 48.3764,
50.5927

■ 63.5521, 58.5488,
62.6923

■ 71.3244, 70.4880,
76.3985

■ 80.2280, 84.2725,
91.7679

Harmonies

Analogous

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



38.1141, 19.0984, 27.1092



36.4340, 19.0984, 8.0694



29.2426, 19.0984, 1.7579

Triad

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



36.4340, 19.0984, 8.0694



8.4678, 19.0984, 3.8375



16.2129, 19.0984, 102.3961

Complementary

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



36.4340, 19.0984, 8.0694



39.6113, 64.3397, 57.3637

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.



10.2945, 19.0984, 79.1161



36.4340, 19.0984, 8.0694



6.7609, 19.0984, 15.5461

Square

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



36.4340, 19.0984, 8.0694



12.8729, 19.0984, 0.8612



7.3138, 19.0984, 42.6571



24.7082, 19.0984, 94.0144

Rectangle

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



36.4340, 19.0984, 8.0694



23.1932, 19.0984, 0.6918



7.3138, 19.0984, 42.6571



13.9007, 19.0984, 97.6501

Sweetspot

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



36.4344, 19.0996, 8.0697



69.5182, 60.7161, 64.0741



35.2425, 16.8582, 81.5165



14.3328, 12.1672, 12.7145



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.



36.4344, 19.0996, 8.0697



42.0437, 21.5815, 6.1623



37.7006, 23.3080, 3.3243



15.2096, 15.1117, 16.3890



19.4907, 9.9990, 3.1195



1.5668, 0.7997, 0.4360

Inverse Universe

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



36.4344, 19.0996, 8.0697



42.0437, 21.5815, 6.1623



32.6785, 40.3739, 86.1906



15.2096, 15.1117, 16.3890



19.4907, 9.9990, 3.1195



1.5668, 0.7997, 0.4360

Previews

White Background



This preview shows how the XYZ color 36.4340, 19.0984, 8.0694 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 36.4340, 19.0984, 8.0694 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 36.4340, 19.0984, 8.0694

Background



This preview shows how black text looks on a background with the XYZ color 36.4340, 19.0984, 8.0694.

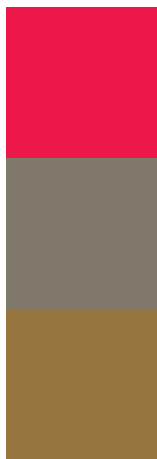


This preview shows how white text looks on a background with the XYZ color 36.4340, 19.0984,

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

36.4340, 19.0984, 8.0694

Protanopia

18.3933, 19.3255, 16.6707

Deuteranopia

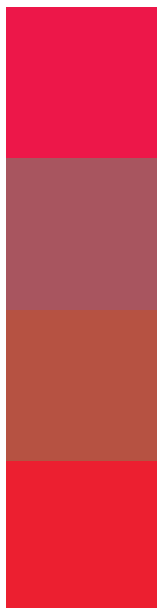
19.6926, 19.3226, 7.2492



Tritanopia

35.4975, 19.2044, 3.2747

Trichromacy



Original Color

36.4340, 19.0984, 8.0694

Protanomaly

21.4625, 15.6481, 12.7157

Deuteranomaly

23.2921, 16.3730, 7.0869

Tritanomaly

35.6156, 19.0262, 4.5916

Monochromacy



Original Color

36.4340, 19.0984, 8.0694

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

15.4239, 10.8259, 10.0808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4340, 19.0984, 8.0694 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, 23, 73)` looks like.

```
.text, #text, p{  
    color:rgb(237, 23, 73)  
}
```

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, 23, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 23, 73) }
```

Border

The CSS property to change the border of an element to XYZ 36.4340, 19.0984, 8.0694 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, 23, 73) }
```


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

```
.border{ border-color:rgb(237, 23, 73) }
```

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

Here you see how a box with a 4 pixel rgb(237, 23, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 23, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 23, 73);  
box-shadow:4px 4px 4px 4px rgb(237, 23,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4340, 19.0984, 8.0694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 23, 73) }
```

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

```
.background{ background-color: rgb(237, 23,  
73) }
```

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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