

Converting Colors

XYZ(33.9988, 17.4274, 6.9731)

Have a look what the booklet for
XYZ(33.9988, 17.4274, 6.9731)
contains.

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Color

**XYZ(34.0092, 17.4280,
7.0403)**

Conversions

Conversions Part 1

Format	Color
Hex	E70144
RGB	231, 1, 68
RGB Percent	91%, 0%, 27%
CMY	0.0941, 0.9959, 0.7333
CMYK	0.00, 1.00, 0.71, 0.09
HSL	343°, 99%, 46%
HSV	343°, 100%, 91%
XYZ	34.0092, 17.4280, 7.0403
YIQ	77.4080, 115.5730, 69.5970

Conversions

Conversions Part 2

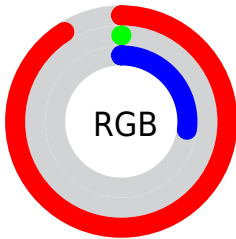
Format	Color
RYB	231, 1, 68
Decimal	15139140
CIELab	48.79, 75.68, 31.44
CIElCh	49, 81.951, 22.561
Yxy	17.4280, 0.5816, 0.2980
Android (android.graphics.Color)	4293329220 (0xFFE70144)
YUV	77.4080, -4.6381, 134.7002
Hunter-Lab	41.7469, 72.3586, 19.2240

Details

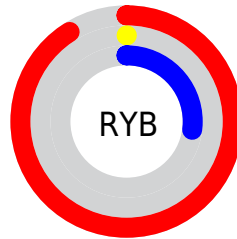
The XYZ color **34.0092, 17.4280, 7.0403** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **35.2948, 59.8405, 44.8388**, and the grayscale version is **7.1293, 7.5006, 8.1682**.

A 20% lighter version of the original color is **48.3067, 30.3497, 19.8350**, and **15.9123, 8.1816, 1.7178** is the 20% darker color. If you saturate the color by 10%, you get **33.9754, 17.3970, 6.9170**, and if you desaturate by 10%, it is **34.8996, 18.2946, 10.1565**.

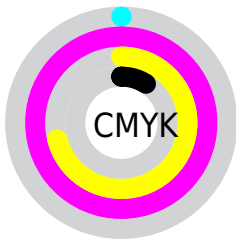
Distribution



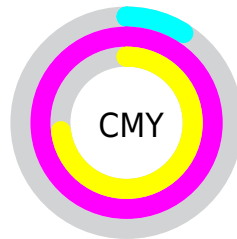
- Red (91%)
- Green (0%)
- Blue (27%)



- Red (91%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0092, 17.4280, 7.0403 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 34.0092, 17.4280, 7.0403 by changing the saturation by 10% instead.


 34.0092, 17.4280,
7.0403


 34.0092, 17.4280,
7.0403


311.7583,
237.6269, 177.6418


 23.0636, 10.5401,
3.4085


 65.2922, 39.0602,
20.5685


 14.7614, 5.7585,
1.3068


 86.3602, 54.5733,
31.3019


 8.7373, 2.6988,
0.0674


 111.5332, 73.7303,
45.2397

 4.6260, 0.9766,
0.0000

 141.1763, 96.9155,
62.8003

 2.0620, 0.0000,
0.0000

 175.6551,
124.5134, 84.4022

 0.6684, 0.0000,
0.0000

 215.3347,

 0.0000, 0.0000,

156.9083, 110.4641

0.0000

260.5807,
194.4847, 141.4044

■ 34.0092, 17.4280,
7.0403

■ 34.0092, 17.4280,
7.0403

■ 33.9754, 17.3970,
6.9170

■ 34.8996, 18.2946,
10.1565

■ 36.3183, 19.9771,
14.1896

■ 38.3855, 22.7012,
19.2268

■ 41.1776, 26.6053,
25.3368

■ 44.7595, 31.8064,
32.5814

■ 49.1886, 38.4072,
41.0173

■ 54.5170, 46.5002,
50.6971

■ 60.7922, 56.1698,
61.6701

■ 68.0585, 67.4941,
73.9828

Harmonies

Analogous

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



35.6389, 17.4280, 24.9131



34.0092, 17.4280, 7.0403



27.1047, 17.4280, 1.3814

Triad

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



34.0092, 17.4280, 7.0403



7.4749, 17.4280, 3.2273



14.7476, 17.4280, 97.8104

Complementary

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



34.0092, 17.4280, 7.0403



35.2948, 59.8405, 44.8388

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.



9.1875, 17.4280, 75.1972



34.0092, 17.4280, 7.0403



5.9047, 17.4280, 14.0663

Square

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



34.0092, 17.4280, 7.0403



11.5765, 17.4280, 0.5907



6.4182, 17.4280, 39.9306



22.8127, 17.4280, 89.5665

Rectangle

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



34.0092, 17.4280, 7.0403



21.3305, 17.4280, 0.4156



6.4182, 17.4280, 39.9306



12.5677, 17.4280, 93.2058

Sweetspot

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



34.0096, 17.4291, 7.0405



67.7758, 57.5064, 62.6451



29.3388, 13.4756, 76.6554



13.8781, 11.3505, 12.2770



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.



34.0096, 17.4291, 7.0405



42.4841, 21.7576, 8.4812



33.9789, 19.0278, 1.9122



14.5487, 14.4367, 15.8239



19.0941, 9.7719, 4.1247



1.4504, 0.7379, 0.5122

Inverse Universe

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



34.0096, 17.4291, 7.0405



42.4841, 21.7576, 8.4812



31.7881, 40.4788, 81.7384



14.5487, 14.4367, 15.8239



19.0941, 9.7719, 4.1247



1.4504, 0.7379, 0.5122

Previews

White Background



This preview shows how the XYZ color 34.0092, 17.4280, 7.0403 looks on a white background.

Color Contrast Check

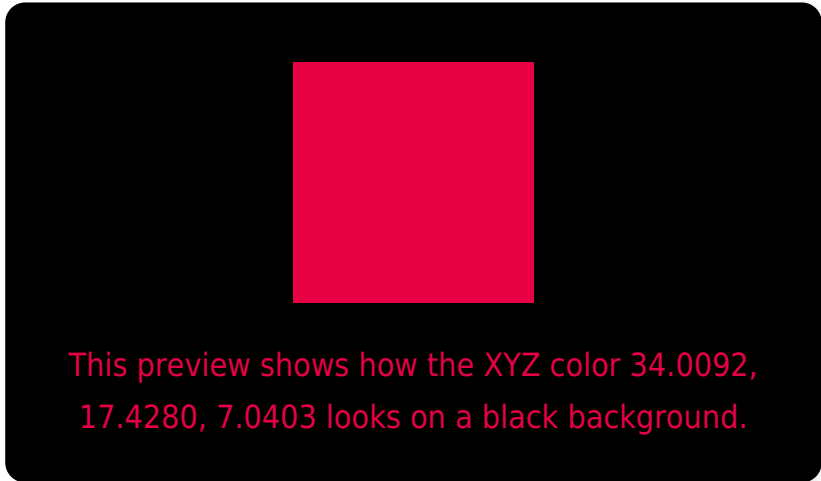
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

XYZ 34.0092, 17.4280, 7.0403

Background



This preview shows how black text looks on a background with the XYZ color 34.0092, 17.4280, 7.0403.

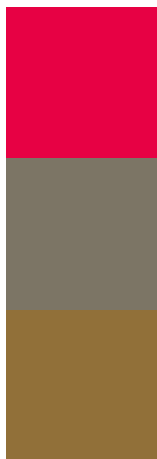


This preview shows how white text looks on a background with the XYZ color 34.0092, 17.4280,

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

34.0092, 17.4280, 7.0403

Protanopia

17.0224, 17.9473, 14.8789

Deuteranopia

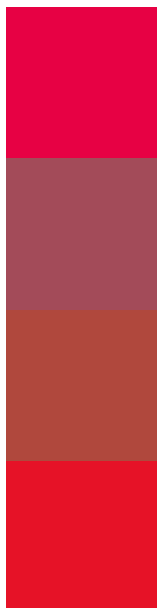
18.2097, 17.9035, 6.3669



Tritanopia

33.1932, 17.7114, 2.4282

Trichromacy



Original Color

34.0092, 17.4280, 7.0403

Protanomaly

19.4235, 13.5400, 11.0409

Deuteranomaly

21.0642, 14.2018, 6.0459

Tritanomaly

33.2156, 17.4021, 3.5277

Monochromacy



Original Color

34.0092, 17.4280, 7.0403

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

12.0072, 7.6776, 7.3276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0092, 17.4280, 7.0403 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(231, 1, 68)` looks like.

```
.text, #text, p{  
    color:rgb(231, 1, 68)  
}
```

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(231, 1, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 1, 68) }
```

Border

The CSS property to change the border of an element to XYZ 34.0092, 17.4280, 7.0403 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(231, 1, 68) }
```


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

```
.border{ border-color:rgb(231, 1, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 1, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 1, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 1, 68);  
box-shadow:4px 4px 4px 4px rgb(231, 1, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.0092, 17.4280, 7.0403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 1, 68) }
```

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

```
.background{ background-color: rgb(231, 1,  
68) }
```

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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