

Converting Colors

XYZ(30.8358, 16.7244, 7.4064)

Have a look what the booklet for
XYZ(30.8358, 16.7244, 7.4064)
contains.

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Color

**XYZ(30.9498, 16.7640,
7.3989)**

Conversions

Conversions Part 1

Format	Color
Hex	DB2446
RGB	219, 36, 70
RGB Percent	86%, 14%, 27%
CMY	0.1412, 0.8588, 0.7255
CMYK	0.00, 0.84, 0.68, 0.14
HSL	349°, 72%, 50%
HSV	349°, 84%, 86%
XYZ	30.9498, 16.7640, 7.3989
YIQ	94.5930, 98.1540, 49.3700

Conversions

Conversions Part 2

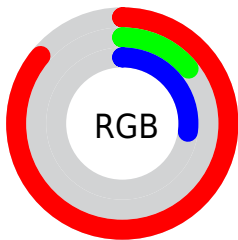
Format	Color
RYB	219, 36, 70
Decimal	14361670
CIELab	47.96, 68.29, 28.66
CIELCh	48, 74.064, 22.769
Yxy	16.7640, 0.5616, 0.3042
Android (android.graphics.Color)	4292551750 (0xFFDB2446)
YUV	94.5930, -12.1243, 109.1049
Hunter-Lab	40.9439, 63.2778, 17.9465

Details

The XYZ color **30.9498, 16.7640, 7.3989** 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 **34.8183, 54.5417, 54.6008**, and the grayscale version is **10.7936, 11.3557, 12.3663**.

A 20% lighter version of the original color is **49.2614, 32.0707, 20.7335**, and **13.9081, 7.1471, 1.6834** is the 20% darker color. If you saturate the color by 10%, you get **29.9955, 15.6267, 4.7040**, and if you desaturate by 10%, it is **32.4767, 18.7796, 11.1095**.

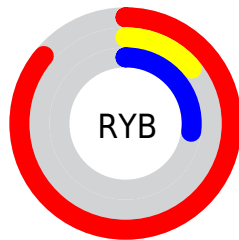
Distribution



Red (86%)

Green (14%)

Blue (27%)



Red (86%)

Yellow (14%)

Blue (27%)

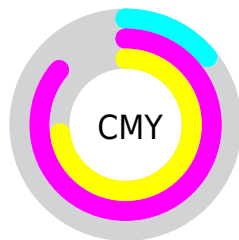


Cyan (0%)

Magenta (84%)

Yellow (68%)

Black (14%)



Cyan (14%)


Magenta (86%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9498, 16.7640, 7.3989 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 30.9498, 16.7640, 7.3989 by changing the saturation by 10% instead.


 30.9498, 16.7640,
7.3989


 30.9498, 16.7640,
7.3989


298.1380,
233.8087, 180.6931


 20.7123, 10.0664,
3.6306


 60.5374, 37.9196,
21.2977


 13.0251, 5.4430,
1.4250


 80.6182, 53.1463,
32.2653


 7.5230, 2.5094,
0.1611


 104.7108, 71.9848,
46.4697

 3.8405, 0.8814,
0.0000

 133.1805, 94.8196,
64.3294

 1.6123, 0.0000,
0.0000

 166.3927,
122.0350, 86.2631

 0.4004, 0.0000,
0.0000

 204.7128,

 0.0000, 0.0000,

154.0153, 112.6893

0.0000

248.5061,
191.1451, 144.0264

■ 30.9498, 16.7640,
7.3989

■ 30.9498, 16.7640,
7.3989

■ 29.9955, 15.6267,
4.7040

■ 32.4767, 18.7796,
11.1095

■ 29.6078, 15.2178,
3.4447

■ 34.6528, 21.8043,
15.9270

■ 37.5434, 25.9499,
21.9331

■ 41.2055, 31.3126,
29.2010

■ 45.6902, 37.9782,
37.7981

■ 51.0441, 46.0249,
47.7868

■ 57.3103, 55.5244,
59.2257

■ 64.5290, 66.5436,
72.1697

■ 72.7380, 79.1453,
86.6711

Harmonies

Analogous

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



32.3698, 16.7640, 23.2848



30.9498, 16.7640, 7.3989



25.0345, 16.7640, 1.8383

Triad

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



30.9498, 16.7640, 7.3989



7.7403, 16.7640, 3.8189



14.3713, 16.7640, 84.4452

Complementary

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



30.9498, 16.7640, 7.3989



34.8183, 54.5417, 54.6008

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.



9.3586, 16.7640, 65.9844



30.9498, 16.7640, 7.3989



6.2878, 16.7640, 14.0042

Square

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



30.9498, 16.7640, 7.3989



11.4626, 16.7640, 1.0073



6.7838, 16.7640, 36.5065



21.4381, 16.7640, 77.4999

Rectangle

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



30.9498, 16.7640, 7.3989



20.0484, 16.7640, 0.8356



6.7838, 16.7640, 36.5065



12.4244, 16.7640, 80.7302

Sweetspot

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



30.9502, 16.7650, 7.3991



70.7155, 62.9468, 64.9786



32.8043, 16.3715, 68.4485



14.5479, 12.5880, 12.8149



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.



30.9502, 16.7650, 7.3991



41.7603, 21.4681, 4.6700



33.2656, 22.6547, 4.2900



13.1543, 13.0908, 14.0739



17.5857, 9.0353, 2.1981



1.1689, 0.5972, 0.2984

Inverse Universe

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



30.9502, 16.7650, 7.3991



41.7603, 21.4681, 4.6700



26.8086, 32.0784, 71.7963



13.1543, 13.0908, 14.0739



17.5857, 9.0353, 2.1981



1.1689, 0.5972, 0.2984

Previews

White Background



This preview shows how the XYZ color 30.9498, 16.7640, 7.3989 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



This preview shows how the XYZ color 30.9498, 16.7640, 7.3989 looks on a 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 30.9498, 16.7640, 7.3989

Background



This preview shows how black text looks on a background with the XYZ color 30.9498, 16.7640, 7.3989.

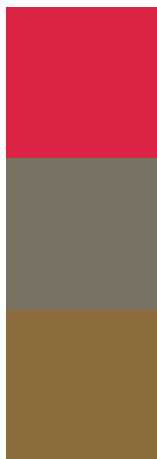


This preview shows how white text looks on a background with the XYZ color 30.9498, 16.7640,

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

30.9498, 16.7640, 7.3989

Protanopia

16.0152, 16.9285, 14.2278

Deuteranopia

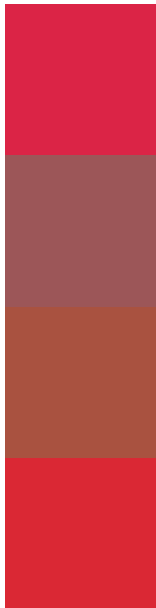
17.2688, 16.9262, 6.6319



Tritanopia

30.1593, 16.7285, 3.8298

Trichromacy



Original Color

30.9498, 16.7640, 7.3989

Protanomaly

18.7995, 14.4281, 11.0266

Deuteranomaly

20.3049, 14.8398, 6.6447

Tritanomaly

30.2921, 16.6709, 4.8701

Monochromacy



Original Color

30.9498, 16.7640, 7.3989

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

14.9437, 11.1449, 10.1677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9498, 16.7640, 7.3989 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(219, 36, 70)` looks like.

```
.text, #text, p{  
    color:rgb(219, 36, 70)  
}
```

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(219, 36, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 36, 70) }
```

Border

The CSS property to change the border of an element to XYZ 30.9498, 16.7640, 7.3989 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(219, 36, 70) }
```


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

```
.border{ border-color:rgb(219, 36, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 36, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 36, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 36, 70);  
box-shadow:4px 4px 4px 4px rgb(219, 36,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9498, 16.7640, 7.3989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 36, 70) }
```

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

```
.background{ background-color: rgb(219, 36,  
70) }
```

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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