

Converting Colors

XYZ(30.2272, 15.4602, 6.9495)

Have a look what the booklet for
XYZ(30.2272, 15.4602, 6.9495)
contains.

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Color

**XYZ(30.2876, 15.4897,
7.0237)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0045
RGB	219, 0, 69
RGB Percent	86%, 0%, 27%
CMY	0.1412, 0.9998, 0.7294
CMYK	0.00, 1.00, 0.68, 0.14
HSL	341°, 100%, 43%
HSV	341°, 100%, 86%
XYZ	30.2876, 15.4897, 7.0237
YIQ	73.3470, 108.3750, 67.8870

Conversions

Conversions Part 2

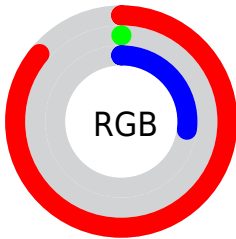
Format	Color
RYB	219, 0, 69
Decimal	14352453
CIELab	46.30, 72.99, 27.20
CIElCh	46, 77.895, 20.437
Yxy	15.4897, 0.5736, 0.2934
Android (android.graphics.Color)	4292542533 (0xFFDB0045)
YUV	73.3470, -2.1431, 127.7377
Hunter-Lab	39.3570, 68.4921, 16.9689

Details

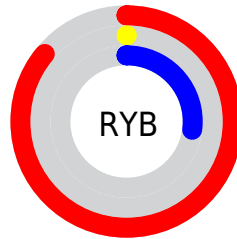
The XYZ color **30.2876, 15.4897, 7.0237** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **30.8407, 52.8666, 37.4522**, and the grayscale version is **6.3883, 6.7210, 7.3192**.

A 20% lighter version of the original color is **48.1071, 29.8567, 20.0570**, and **13.7154, 7.0477, 1.6744** is the 20% darker color. If you saturate the color by 10%, you get **30.2865, 15.4893, 7.0186**, and if you desaturate by 10%, it is **31.0995, 16.2719, 9.8899**.

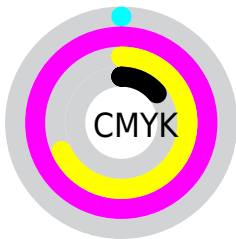
Distribution



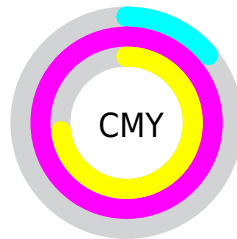
- Red (86%)
- Green (0%)
- Blue (27%)



- Red (86%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (68%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2876, 15.4897, 7.0237 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 30.2876, 15.4897, 7.0237 by changing the saturation by 10% instead.


 30.2876, 15.4897,
7.0237


 30.2876, 15.4897,
7.0237


295.1286,
226.3114, 177.4989


 20.2061, 9.1638,
3.3983


 59.5002, 35.7100,
20.5346


 12.6541, 4.8482,
1.3014


 79.3621, 50.3732,
31.2570

 7.2662, 2.1585,
0.0629


 103.2148, 68.5842,
45.1823

 3.6769, 0.6972,
0.0000

 131.4237, 90.7275,
62.7288

 1.5210, 0.0000,
0.0000

 164.3542,
117.1875, 84.3152

 0.3401, 0.0000,
0.0000

 202.3716,

 0.0000, 0.0000,

148.3486, 110.3600

0.0000

245.8413,
184.5951, 141.2817

■ 30.2876, 15.4897,
7.0237

■ 30.2876, 15.4897,
7.0237

■ 30.2865, 15.4893,
7.0186

■ 31.0995, 16.2719,
9.8899

■ 32.3607, 17.7509,
13.5267

■ 34.1845, 20.1420,
18.0085

■ 36.6373, 23.5668,
23.3911

■ 39.7756, 28.1283,
29.7248

■ 43.6493, 33.9165,
37.0555

■ 48.3033, 41.0127,
45.4260

■ 53.7792, 49.4910,
54.8766

■ 60.1151, 59.4198,
65.4452

Harmonies

Analogous

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



31.3155, 15.4897, 23.7255



30.2876, 15.4897, 7.0237



24.4836, 15.4897, 1.4457

Triad

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



30.2876, 15.4897, 7.0237



6.8894, 15.4897, 2.6277



12.6949, 15.4897, 85.0939

Complementary

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



30.2876, 15.4897, 7.0237



30.8407, 52.8666, 37.4522

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.



7.9769, 15.4897, 63.9165



30.2876, 15.4897, 7.0237



5.3577, 15.4897, 11.4747

Square

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



30.2876, 15.4897, 7.0237



10.6866, 15.4897, 0.4776



5.6844, 15.4897, 33.1966



19.6647, 15.4897, 79.9087

Rectangle

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



30.2876, 15.4897, 7.0237



19.4428, 15.4897, 0.4492



5.6844, 15.4897, 33.1966



10.8356, 15.4897, 80.4500

Sweetspot

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



30.2880, 15.4907, 7.0239



67.9910, 57.5925, 63.7781



25.3026, 11.5677, 67.9167



13.9281, 11.3705, 12.5403



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.



30.2880, 15.4907, 7.0239



42.6993, 21.8437, 9.6146



29.9787, 16.5904, 1.6235



13.2241, 13.1188, 14.4415



18.0024, 9.2020, 4.3927



1.2046, 0.6115, 0.4864

Inverse Universe

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



30.2880, 15.4907, 7.0239



42.6993, 21.8437, 9.6146



28.8784, 37.2981, 72.6947



13.2241, 13.1188, 14.4415



18.0024, 9.2020, 4.3927



1.2046, 0.6115, 0.4864

Previews

White Background



This preview shows how the XYZ color 30.2876, 15.4897, 7.0237 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 30.2876, 15.4897, 7.0237

Background



This preview shows how black text looks on a background with the XYZ color 30.2876, 15.4897, 7.0237.



This preview shows how white text looks on a background with the XYZ color 30.2876, 15.4897,

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

30.2876, 15.4897, 7.0237

Protanopia

15.2852, 16.0412, 14.8610

Deuteranopia

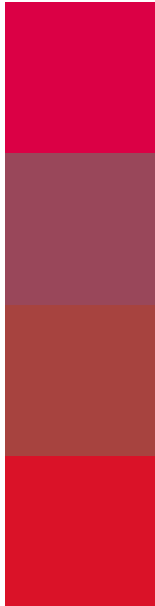
16.2600, 15.9422, 6.3578



Tritanopia

29.4834, 15.7978, 2.3059

Trichromacy



Original Color

30.2876, 15.4897, 7.0237

Protanomaly

17.2356, 12.0170, 11.0840

Deuteranomaly

18.8407, 12.5887, 6.1395

Tritanomaly

29.5128, 15.4912, 3.4421

Monochromacy



Original Color

30.2876, 15.4897, 7.0237

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

10.7509, 6.8575, 6.8879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2876, 15.4897, 7.0237 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, 0, 69)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 69)  
}
```

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, 0, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 69) }
```

Border

The CSS property to change the border of an element to XYZ 30.2876, 15.4897, 7.0237 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, 0, 69) }
```


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

```
.border{ border-color:rgb(219, 0, 69) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 69);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 69)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.2876, 15.4897, 7.0237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 69) }
```

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

```
.background{ background-color: rgb(219, 0,  
69) }
```

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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