

Converting Colors

XYZ(29.4437, 13.5933, 3.3497)

Have a look what the booklet for
XYZ(29.4437, 13.5933, 3.3497)
contains.

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Color

**XYZ(30.5602, 15.7040,
3.7060)**

Conversions

Conversions Part 1

Format	Color
Hex	DE002B
RGB	222, 0, 43
RGB Percent	87%, 0%, 17%
CMY	0.1294, 0.9998, 0.8314
CMYK	0.00, 1.00, 0.81, 0.13
HSL	348°, 100%, 44%
HSV	348°, 100%, 87%
XYZ	30.5602, 15.7040, 3.7060
YIQ	71.2800, 118.5090, 60.4370

Conversions

Conversions Part 2

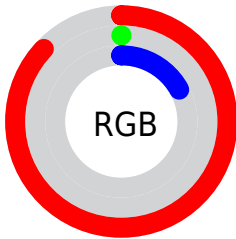
Format	Color
R _Y B	222, 0, 43
Decimal	14549035
CIE Lab	46.58, 72.78, 43.09
CIE LCh	47, 84.579, 30.626
Yxy	15.7040, 0.6116, 0.3143
Android (android.graphics.Color)	4292739115 (0xFFDE002B)
YUV	71.2800, -13.9420, 132.1814
Hunter-Lab	39.6283, 68.3047, 22.1950

Details

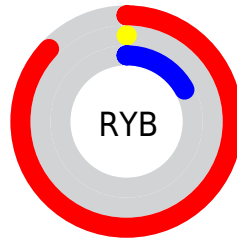
The XYZ color **30.5602, 15.7040, 3.7060** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **34.2635, 55.4991, 51.5812**, and the grayscale version is **6.0502, 6.3653, 6.9318**.

A 20% lighter version of the original color is **46.6993, 29.2936, 12.6441**, and **13.9046, 7.1681, 0.6507** is the 20% darker color. If you saturate the color by 10%, you get **30.5592, 15.7036, 3.7020**, and if you desaturate by 10%, it is **31.2554, 16.4488, 5.9290**.

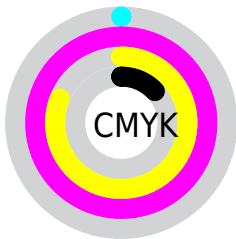
Distribution



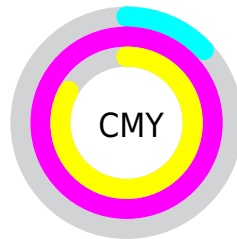
- Red (87%)
- Green (0%)
- Blue (17%)



- Red (87%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (81%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5602, 15.7040, 3.7060 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 30.5602, 15.7040, 3.7060 by changing the saturation by 10% instead.

 30.5602, 15.7040,
3.7060


 30.5602, 15.7040,
3.7060


296.3702,
227.5887, 144.8993


 20.4144, 9.3149,
1.4655


 59.9275, 36.0836,
13.3258


 12.8066, 4.9472,
0.1920


 79.8798, 50.8429,
21.5422


 7.3716, 2.2163,
0.0000


 103.8315, 69.1610,
32.5876

 3.7439, 0.7289,
0.0000

 132.1481, 91.4225,
46.8806

 1.5583, 0.0000,
0.0000

 165.1949,
118.0115, 64.8398

 0.3650, 0.0000,
0.0000

 203.3373,

 0.0000, 0.0000,

149.3127, 86.8836

0.0000

246.9406,
185.7103, 113.4305

■ 30.5602, 15.7040,
3.7060

■ 30.5602, 15.7040,
3.7060

■ 30.5592, 15.7036,
3.7020

■ 31.2554, 16.4488,
5.9290

■ 32.4459, 17.9264,
9.1107

■ 34.2547, 20.3602,
13.3637

■ 36.7565, 23.8786,
18.7760

■ 40.0146, 28.5899,
25.4265

■ 44.0853, 34.5892,
33.3867

■ 49.0191, 41.9622,
42.7226

■ 54.8628, 50.7868,
53.4956

■ 61.6593, 61.1354,
65.7635

Harmonies

Analogous

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



33.8265, 15.7040, 16.6633



30.5602, 15.7040, 3.7060



22.9261, 15.7040, 0.4622

Triad

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



30.5602, 15.7040, 3.7060



5.7298, 15.7040, 3.9875



15.0802, 15.7040, 97.0523

Complementary

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



30.5602, 15.7040, 3.7060



34.2635, 55.4991, 51.5812

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.



9.0444, 15.7040, 81.5225



30.5602, 15.7040, 3.7060



4.8288, 15.7040, 17.5422

Square

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



30.5602, 15.7040, 3.7060



8.8554, 15.7040, 0.5269



5.8113, 15.7040, 46.8510



23.2818, 15.7040, 80.2839

Rectangle

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



30.5602, 15.7040, 3.7060



17.3317, 15.7040, 0.0000



5.8113, 15.7040, 46.8510



12.7543, 15.7040, 95.3615

Sweetspot

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



30.5605, 15.7050, 3.7062



66.9196, 57.1639, 58.1364



31.4559, 14.6939, 70.2849



13.6803, 11.2714, 11.2353



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.



30.5605, 15.7050, 3.7062



41.8017, 21.4847, 4.8878



32.1098, 19.5008, 2.0731



13.8151, 13.7437, 14.7964



18.1826, 9.3400, 2.3615



1.2916, 0.6599, 0.3285

Inverse Universe

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



30.5605, 15.7050, 3.7062



41.8017, 21.4847, 4.8878



24.9759, 28.8553, 73.3598



13.8151, 13.7437, 14.7964



18.1826, 9.3400, 2.3615



1.2916, 0.6599, 0.3285

Previews

White Background



This preview shows how the XYZ color 30.5602, 15.7040, 3.7060 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 30.5602, 15.7040, 3.7060

Background



This preview shows how black text looks on a background with the XYZ color 30.5602, 15.7040, 3.7060.



This preview shows how white text looks on a background with the XYZ color 30.5602, 15.7040,

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

30.5602, 15.7040, 3.7060

Protanopia

14.9757, 16.2045, 7.6487

Deuteranopia

16.5995, 16.3408, 3.2565



Tritanopia

30.0689, 15.8725, 1.4789

Trichromacy



Original Color

30.5602, 15.7040, 3.7060

Protanomaly

17.3150, 12.1829, 5.4419

Deuteranomaly

19.1224, 12.8965, 2.8479

Tritanomaly

30.0562, 15.6974, 1.9360

Monochromacy



Original Color

30.5602, 15.7040, 3.7060

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.3849, 6.6493, 5.1510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5602, 15.7040, 3.7060 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(222, 0, 43)` looks like.

```
.text, #text, p{  
  color:rgb(222, 0, 43)  
}
```

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(222, 0, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 43) }
```

Border

The CSS property to change the border of an element to XYZ 30.5602, 15.7040, 3.7060 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(222, 0, 43) }
```


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

```
.border{ border-color:rgb(222, 0, 43) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 43)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.5602, 15.7040, 3.7060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 43) }
```

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

```
.background{ background-color: rgb(222, 0,  
43) }
```

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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