

Converting Colors

XYZ(30.5008, 15.6749, 3.6327)

Have a look what the booklet for
XYZ(30.5008, 15.6749, 3.6327)
contains.

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Color

**XYZ(30.5421, 15.6968,
3.6105)**

Conversions

Conversions Part 1

Format	Color
Hex	DE002A
RGB	222, 0, 42
RGB Percent	87%, 0%, 16%
CMY	0.1294, 0.9998, 0.8353
CMYK	0.00, 1.00, 0.81, 0.13
HSL	349°, 100%, 44%
HSV	349°, 100%, 87%
XYZ	30.5421, 15.6968, 3.6105
YIQ	71.1660, 118.8300, 60.1260

Conversions

Conversions Part 2

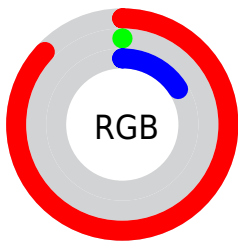
Format	Color
RYB	222, 0, 42
Decimal	14549034
CIELab	46.57, 72.75, 43.63
CIElCh	47, 84.835, 30.952
Yxy	15.6968, 0.6127, 0.3149
Android (android.graphics.Color)	4292739114 (0xFFDE002A)
YUV	71.1660, -14.3788, 132.2814
Hunter-Lab	39.6192, 68.2706, 22.3303

Details

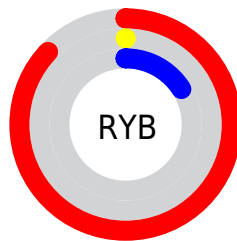
The XYZ color **30.5421, 15.6968, 3.6105** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **34.3654, 55.5399, 52.1176**, and the grayscale version is **6.0318, 6.3459, 6.9107**.

A 20% lighter version of the original color is **46.6576, 29.2769, 12.4244**, and **13.9046, 7.1681, 0.6507** is the 20% darker color. If you saturate the color by 10%, you get **30.5411, 15.6963, 3.6064**, and if you desaturate by 10%, it is **31.2315, 16.4393, 5.8026**.

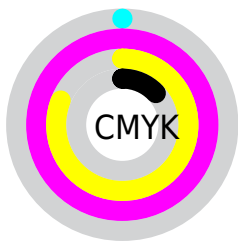
Distribution



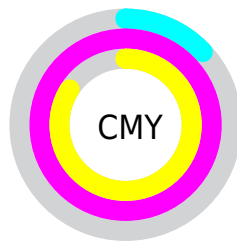
- Red (87%)
- Green (0%)
- Blue (16%)



- Red (87%)
- Yellow (0%)
- Blue (16%)



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





- Cyan (13%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5421, 15.6968, 3.6105 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 30.5421, 15.6968, 3.6105 by changing the saturation by 10% instead.


 30.5421, 15.6968,
3.6105


 30.5421, 15.6968,
3.6105


296.2879,
227.5459, 143.7924


 20.4005, 9.3099,
1.4142


 59.8992, 36.0710,
13.1010


 12.7965, 4.9438,
0.1528


 79.8454, 50.8271,
21.2323


 7.3646, 2.2143,
0.0000


 103.7906, 69.1417,
32.1790

 3.7395, 0.7278,
0.0000

 132.1001, 91.3992,
46.3596

 1.5558, 0.0000,
0.0000

 165.1392,
117.9839, 64.1927

 0.3634, 0.0000,
0.0000

 203.2733,

 0.0000, 0.0000,

149.2804, 86.0969

0.0000

246.8677,
185.6729, 112.4906

■ 30.5421, 15.6968,
3.6105

■ 30.5421, 15.6968,
3.6105

■ 30.5411, 15.6963,
3.6064

■ 31.2315, 16.4393,
5.8026

■ 32.4171, 17.9150,
8.9587

■ 34.2225, 20.3475,
13.1932

■ 36.7224, 23.8653,
18.5957

■ 39.9806, 28.5767,
25.2462

■ 44.0534, 34.5770,
33.2173

■ 48.9917, 41.9518,
42.5760

■ 54.8421, 50.7793,
53.3846

■ 61.6481, 61.1317,
65.7016

Harmonies

Analogous

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



33.8862, 15.6968, 16.4299



30.5421, 15.6968, 3.6105



22.8518, 15.6968, 0.4290

Triad

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



30.5421, 15.6968, 3.6105



5.6861, 15.6968, 4.0379



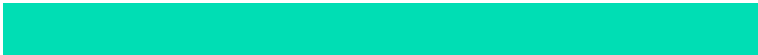
15.1545, 15.6968, 97.4055

Complementary

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



30.5421, 15.6968, 3.6105



34.3654, 55.5399, 52.1176

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.



9.0747, 15.6968, 82.1197



30.5421, 15.6968, 3.6105



4.8060, 15.6968, 17.7699

Square

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



30.5421, 15.6968, 3.6105



8.7869, 15.6968, 0.5275



5.8100, 15.6968, 47.3448



23.3944, 15.6968, 80.2268

Rectangle

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



30.5421, 15.6968, 3.6105



17.2446, 15.6968, 0.0000



5.8100, 15.6968, 47.3448



12.8131, 15.6968, 95.8312

Sweetspot

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



30.5424, 15.6978, 3.6107



66.8810, 57.1485, 57.9332



31.4561, 14.6940, 70.2849



13.6715, 11.2678, 11.1886



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.



30.5424, 15.6978, 3.6107



41.7775, 21.4750, 4.7604



32.1099, 19.5010, 2.0732



13.8125, 13.7426, 14.7830



18.1713, 9.3355, 2.3017



1.2904, 0.6594, 0.3222

Inverse Universe

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



30.5424, 15.6978, 3.6107



41.7775, 21.4750, 4.7604



24.9760, 28.8555, 73.3599



13.8125, 13.7426, 14.7830



18.1713, 9.3355, 2.3017



1.2904, 0.6594, 0.3222

Previews

White Background



This preview shows how the XYZ color 30.5421, 15.6968, 3.6105 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 30.5421, 15.6968, 3.6105 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 30.5421, 15.6968, 3.6105

Background



This preview shows how black text looks on a background with the XYZ color 30.5421, 15.6968, 3.6105.



This preview shows how white text looks on a background with the XYZ color 30.5421, 15.6968,

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

30.5421, 15.6968, 3.6105

Protanopia

14.9459, 16.1926, 7.4920

Deuteranopia

16.5779, 16.3321, 3.1428



Tritanopia

30.0689, 15.8725, 1.4789

Trichromacy



Original Color

30.5421, 15.6968, 3.6105

Protanomaly

17.2898, 12.1728, 5.3092

Deuteranomaly

19.1090, 12.8911, 2.7774

Tritanomaly

30.0489, 15.6945, 1.8975

Monochromacy



Original Color

30.5421, 15.6968, 3.6105

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.3582, 6.6386, 5.0104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5421, 15.6968, 3.6105 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, 42)` looks like.

```
.text, #text, p{  
  color:rgb(222, 0, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 42) }
```

Border

The CSS property to change the border of an element to XYZ 30.5421, 15.6968, 3.6105 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, 42) }
```


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

```
.border{ border-color:rgb(222, 0, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 42);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.5421, 15.6968, 3.6105 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, 42) }
```

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

```
.background{ background-color: rgb(222, 0,  
42) }
```

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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