

Converting Colors

XYZ(29.5933, 15.2120, 3.3668)

Have a look what the booklet for
XYZ(29.5933, 15.2120, 3.3668)
contains.

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Color

**XYZ(29.5964, 15.2133,
3.3840)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0028
RGB	219, 0, 40
RGB Percent	86%, 0%, 16%
CMY	0.1412, 0.9998, 0.8431
CMYK	0.00, 1.00, 0.82, 0.14
HSL	349°, 100%, 43%
HSV	349°, 100%, 86%
XYZ	29.5964, 15.2133, 3.3840
YIQ	70.0410, 117.6840, 58.8680

Conversions

Conversions Part 2

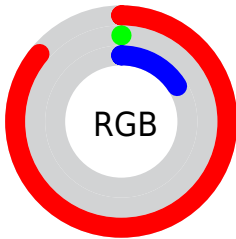
Format	Color
RYB	219, 0, 40
Decimal	14352424
CIELab	45.92, 71.98, 43.89
CIElCh	46, 84.304, 31.370
Yxy	15.2133, 0.6141, 0.3157
Android (android.graphics.Color)	4292542504 (0xFFDB0028)
YUV	70.0410, -14.8102, 130.6370
Hunter-Lab	39.0042, 67.1884, 22.1590

Details

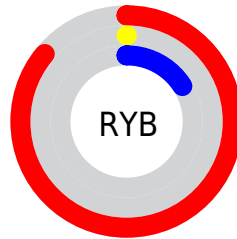
The XYZ color **29.5964, 15.2133, 3.3840** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **33.4739, 53.9197, 51.3185**, and the grayscale version is **5.8432, 6.1475, 6.6946**.

A 20% lighter version of the original color is **46.4921, 29.0766, 11.9660**, and **13.3264, 6.8700, 0.6237** is the 20% darker color. If you saturate the color by 10%, you get **29.5954, 15.2128, 3.3802**, and if you desaturate by 10%, it is **30.2604, 15.9364, 5.4714**.

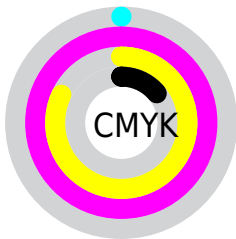
Distribution



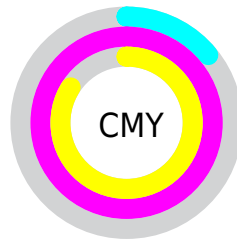
- Red (86%)
- Green (0%)
- Blue (16%)



- Red (86%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5964, 15.2133, 3.3840 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 29.5964, 15.2133, 3.3840 by changing the saturation by 10% instead.


 29.5964, 15.2133,
3.3840


 29.5964, 15.2133,
3.3840


291.9623,
224.6537, 141.1105


 19.6790, 8.9692,
1.2939


 58.4143, 35.2269,
12.5621


 12.2688, 4.7211,
0.0568


 78.0456, 49.7653,
20.4872


 7.0005, 2.0846,
0.0000


 101.6455, 67.8372,
31.1944

 3.5088, 0.6559,
0.0000

 129.5794, 89.8270,
45.1022

 1.4282, 0.0000,
0.0000

 162.2127,
116.1192, 62.6292

 0.2762, 0.0000,
0.0000

 199.9107,

 0.0000, 0.0000,

147.0981, 84.1939

0.0000

243.0388,
183.1481, 110.2148

■ 29.5964, 15.2133,
3.3840

■ 29.5964, 15.2133,
3.3840

■ 29.5954, 15.2128,
3.3802

■ 30.2604, 15.9364,
5.4714

■ 31.4062, 17.3695,
8.4999

■ 33.1544, 19.7305,
12.5831

■ 35.5777, 23.1437,
17.8096

■ 38.7380, 27.7142,
24.2586

■ 42.6902, 33.5342,
32.0017

■ 47.4836, 40.6864,
41.1053

■ 53.1638, 49.2466,
51.6308

■ 59.7727, 59.2849,
63.6361

Harmonies

Analogous

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



32.9371, 15.2133, 15.6440



29.5964, 15.2133, 3.3840



22.0683, 15.2133, 0.3624

Triad

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



29.5964, 15.2133, 3.3840



5.4597, 15.2133, 3.9796



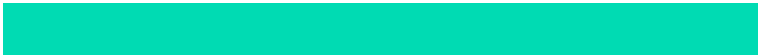
14.7899, 15.2133, 94.9062

Complementary

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



29.5964, 15.2133, 3.3840



33.4739, 53.9197, 51.3185

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.



8.8383, 15.2133, 80.3909



29.5964, 15.2133, 3.3840



4.6323, 15.2133, 17.5209

Square

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



29.5964, 15.2133, 3.3840



8.4359, 15.2133, 0.5034



5.6326, 15.2133, 46.5378



22.8291, 15.2133, 77.7311

Rectangle

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



29.5964, 15.2133, 3.3840



16.6146, 15.2133, 0.0000



5.6326, 15.2133, 46.5378



12.4998, 15.2133, 93.5264

Sweetspot

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



29.5967, 15.2143, 3.3842



66.8253, 57.1262, 57.6398



31.3444, 14.6825, 68.1992



13.6587, 11.2627, 11.1212



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.



29.5967, 15.2143, 3.3842



41.7436, 21.4614, 4.5817



31.3654, 19.3639, 2.0860



13.1526, 13.0901, 14.0647



17.5780, 9.0322, 2.1577



1.1681, 0.5969, 0.2941

Inverse Universe

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



29.5967, 15.2143, 3.3842



41.7436, 21.4614, 4.5817



23.6399, 26.8210, 70.9483



13.1526, 13.0901, 14.0647



17.5780, 9.0322, 2.1577



1.1681, 0.5969, 0.2941

Previews

White Background



This preview shows how the XYZ color 29.5964, 15.2133, 3.3840 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 29.5964, 15.2133, 3.3840 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 29.5964, 15.2133, 3.3840

Background



This preview shows how black text looks on a background with the XYZ color 29.5964, 15.2133, 3.3840.



This preview shows how white text looks on a background with the XYZ color 29.5964, 15.2133,

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

29.5964, 15.2133, 3.3840

Protanopia

14.6077, 15.8653, 6.9950

Deuteranopia

16.0021, 15.7327, 2.9028

Trichromacy



Original Color

29.5964, 15.2133, 3.3840

Protanomaly

16.8475, 11.9504, 5.0331

Deuteranomaly

18.5789, 12.5332, 2.5385

Monochromacy



Original Color

29.5964, 15.2133, 3.3840

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

10.0400, 6.4776, 4.8588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5964, 15.2133, 3.3840 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 40) }
```

Border

The CSS property to change the border of an element to XYZ 29.5964, 15.2133, 3.3840 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, 40) }
```

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

```
.border{ border-color:rgb(219, 0, 40) }
```

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, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 40);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 40)  
}
```


Background

The CSS property to change the background color of an element to XYZ 29.5964, 15.2133, 3.3840 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, 40) }
```

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

```
.background{ background-color: rgb(219, 0,  
40) }
```

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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