

Converting Colors

XYZ(30.0045, 15.3870, 5.0617)

Have a look what the booklet for
XYZ(30.0045, 15.3870, 5.0617)
contains.

XYZ(29.9030, 15.3359, 4.9985)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.9030, 15.3359,
4.9985)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0037
RGB	219, 0, 55
RGB Percent	86%, 0%, 22%
CMY	0.1412, 0.9998, 0.7843
CMYK	0.00, 1.00, 0.75, 0.14
HSL	345°, 100%, 43%
HSV	345°, 100%, 86%
XYZ	29.9030, 15.3359, 4.9985
YIQ	71.7510, 112.8690, 63.5330

Conversions

Conversions Part 2

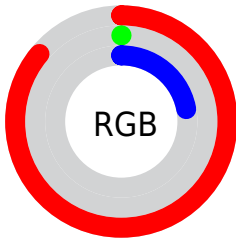
Format	Color
RYB	219, 0, 55
Decimal	14352439
CIELab	46.09, 72.43, 35.44
CIElCh	46, 80.638, 26.072
Yxy	15.3359, 0.5952, 0.3053
Android (android.graphics.Color)	4292542519 (0xFFDB0037)
YUV	71.7510, -8.2582, 129.1374
Hunter-Lab	39.1611, 67.7689, 19.8450

Details

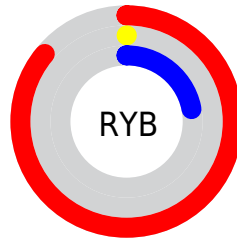
The XYZ color **29.9030, 15.3359, 4.9985** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **32.0372, 53.3451, 43.7530**, and the grayscale version is **6.1216, 6.4404, 7.0136**.

A 20% lighter version of the original color is **47.2107, 29.3641, 15.7499**, and **13.5968, 7.0003, 1.0500** is the 20% darker color. If you saturate the color by 10%, you get **29.9019, 15.3354, 4.9939**, and if you desaturate by 10%, it is **30.6495, 16.0920, 7.5201**.

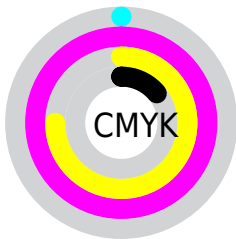
Distribution



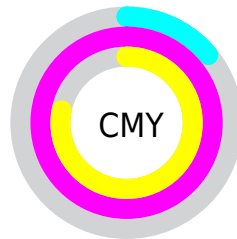
- Red (86%)
- Green (0%)
- Blue (22%)



- Red (86%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9030, 15.3359, 4.9985 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 29.9030, 15.3359, 4.9985 by changing the saturation by 10% instead.

 29.9030, 15.3359,
4.9985


 29.9030, 15.3359,
4.9985


293.3700,
225.3904, 158.7499


 19.9127, 9.0555,
2.1877


 58.8964, 35.4414,
16.2540


 12.4395, 4.7774,
0.6672


 78.6302, 50.0352,
25.5357


 7.1180, 2.1172,
0.0000


 102.3426, 68.1690,
37.8115

 3.5830, 0.6743,
0.0000

 130.3989, 90.2270,
53.4999

 1.4691, 0.0000,
0.0000

 163.1644,
116.5938, 73.0193

 0.3046, 0.0000,
0.0000

 201.0045,

 0.0000, 0.0000,

147.6537, 96.7885

0.0000

244.2846,
183.7911, 125.2258

■ 29.9030, 15.3359,
4.9985

■ 29.9030, 15.3359,
4.9985

■ 29.9019, 15.3354,
4.9939

■ 30.6495, 16.0920,
7.5201

■ 31.8618, 17.5515,
10.8993

■ 33.6562, 19.9309,
15.2262

■ 36.1018, 23.3530,
20.5704

■ 39.2573, 27.9214,
26.9941

■ 43.1746, 33.7273,
34.5545

■ 47.9009, 40.8525,
43.3044

■ 53.4790, 49.3718,
53.2933

■ 59.9490, 59.3544,
64.5676

Harmonies

Analogous

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



32.0679, 15.3359, 19.4186



29.9030, 15.3359, 4.9985



23.2362, 15.3359, 0.8780

Triad

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



29.9030, 15.3359, 4.9985



6.1494, 15.3359, 3.2509



13.6923, 15.3359, 89.7190

Complementary

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



29.9030, 15.3359, 4.9985



32.0372, 53.3451, 43.7530

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.



8.3898, 15.3359, 71.6524



29.9030, 15.3359, 4.9985



4.9870, 15.3359, 14.2445

Square

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



29.9030, 15.3359, 4.9985



9.5186, 15.3359, 0.4918



5.6555, 15.3359, 39.3784



21.1677, 15.3359, 78.6968

Rectangle

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



29.9030, 15.3359, 4.9985



17.9832, 15.3359, 0.0839



5.6555, 15.3359, 39.3784



11.6294, 15.3359, 86.6240

Sweetspot

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



29.9033, 15.3369, 4.9987



67.4185, 57.3635, 60.7635



27.4066, 12.6524, 68.0150



13.7954, 11.3174, 11.8411



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.



29.9033, 15.3369, 4.9987



42.1654, 21.6301, 6.8029



30.4033, 17.4398, 1.7652



13.1894, 13.1049, 14.2588



17.7678, 9.1082, 3.1573



1.1857, 0.6039, 0.3867

Inverse Universe

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



29.9033, 15.3369, 4.9987



42.1654, 21.6301, 6.8029



26.7729, 33.0872, 71.9927



13.1894, 13.1049, 14.2588



17.7678, 9.1082, 3.1573



1.1857, 0.6039, 0.3867

Previews

White Background



This preview shows how the XYZ color 29.9030, 15.3359, 4.9985 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 29.9030, 15.3359, 4.9985 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 29.9030, 15.3359, 4.9985

Background



This preview shows how black text looks on a background with the XYZ color 29.9030, 15.3359, 4.9985.



This preview shows how white text looks on a background with the XYZ color 29.9030, 15.3359,

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

29.9030, 15.3359, 4.9985

Protanopia

14.8535, 15.9154, 10.4727

Deuteranopia

16.2375, 15.9715, 4.5125



Tritanopia

29.3061, 15.5527, 1.9093

Trichromacy



Original Color

29.9030, 15.3359, 4.9985

Protanomaly

16.9734, 11.9561, 7.7165

Deuteranomaly

18.6687, 12.5444, 4.1267

Tritanomaly

29.3186, 15.3408, 2.6441

Monochromacy



Original Color

29.9030, 15.3359, 4.9985

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.4178, 6.7073, 5.8998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9030, 15.3359, 4.9985 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, 55)` looks like.

```
.text, #text, p{  
  color:rgb(219, 0, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 55) }
```

Border

The CSS property to change the border of an element to XYZ 29.9030, 15.3359, 4.9985 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, 55) }
```


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

```
.border{ border-color:rgb(219, 0, 55) }
```

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, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 55);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 55)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.9030, 15.3359, 4.9985 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, 55) }
```

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

```
.background{ background-color: rgb(219, 0,  
55) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor