

Converting Colors

XYZ(30.0789, 15.4167, 5.4532)

Have a look what the booklet for
XYZ(30.0789, 15.4167, 5.4532)
contains.

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Color

**XYZ(29.9771, 15.3656,
5.3889)**

Conversions

Conversions Part 1

Format	Color
Hex	DB003A
RGB	219, 0, 58
RGB Percent	86%, 0%, 23%
CMY	0.1412, 0.9998, 0.7725
CMYK	0.00, 1.00, 0.74, 0.14
HSL	344°, 100%, 43%
HSV	344°, 100%, 86%
XYZ	29.9771, 15.3656, 5.3889
YIQ	72.0930, 111.9060, 64.4660

Conversions

Conversions Part 2

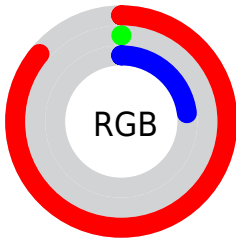
Format	Color
RYB	219, 0, 58
Decimal	14352442
CIELab	46.13, 72.54, 33.69
CIElCh	46, 79.982, 24.913
Yxy	15.3656, 0.5909, 0.3029
Android (android.graphics.Color)	4292542522 (0xFFDB003A)
YUV	72.0930, -6.9478, 128.8374
Hunter-Lab	39.1990, 67.9082, 19.2884

Details

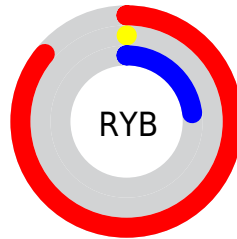
The XYZ color **29.9771, 15.3656, 5.3889** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **31.7695, 53.2379, 42.3437**, and the grayscale version is **6.1787, 6.5005, 7.0790**.

A 20% lighter version of the original color is **47.4460, 29.5922, 16.5758**, and **13.6187, 7.0090, 1.1654** is the 20% darker color. If you saturate the color by 10%, you get **29.9759, 15.3650, 5.3837**, and if you desaturate by 10%, it is **30.7387, 16.1278, 7.9899**.

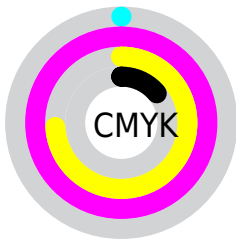
Distribution



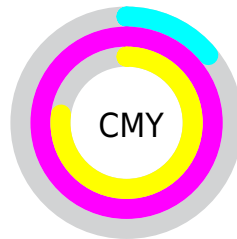
- Red (86%)
- Green (0%)
- Blue (23%)



- Red (86%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9771, 15.3656, 5.3889 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 29.9771, 15.3656, 5.3889 by changing the saturation by 10% instead.


 29.9771, 15.3656,
5.3889


 29.9771, 15.3656,
5.3889


293.7094,
225.5686, 162.5981


 19.9692, 9.0764,
2.4145


 59.0128, 35.4933,
17.1039

 12.4808, 4.7910,
0.7943


 78.7714, 50.1005,
26.6816

 7.1465, 2.1252,
0.0000


 102.5108, 68.2492,
39.2974

 3.6010, 0.6787,
0.0000

 130.5966, 90.3238,
55.3700

 1.4790, 0.0000,
0.0000

 163.3940,
116.7086, 75.3178

 0.3115, 0.0000,
0.0000

 201.2683,

 0.0000, 0.0000,

147.7881, 99.5594

0.0000

244.5850,
183.9466, 128.5133

■ 29.9771, 15.3656,
5.3889

■ 29.9771, 15.3656,
5.3889

■ 29.9759, 15.3650,
5.3837

■ 30.7387, 16.1278,
7.9899

■ 31.9627, 17.5921,
11.4303

■ 33.7647, 19.9747,
15.7967

■ 36.2131, 23.3980,
21.1553

■ 39.3661, 27.9656,
27.5655

■ 43.2752, 33.7683,
35.0818

■ 47.9869, 40.8879,
43.7547

■ 53.5438, 49.3989,
53.6316

■ 59.9857, 59.3704,
64.7570

Harmonies

Analogous

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



31.9001, 15.3656, 20.2784



29.9771, 15.3656, 5.3889



23.4915, 15.3656, 0.9851

Triad

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



29.9771, 15.3656, 5.3889



6.3007, 15.3656, 3.1116



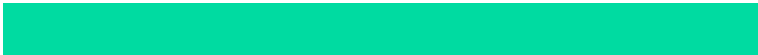
13.4747, 15.3656, 88.7011

Complementary

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



29.9771, 15.3656, 5.3889



31.7695, 53.2379, 42.3437

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.



8.3002, 15.3656, 69.9468



29.9771, 15.3656, 5.3889



5.0636, 15.3656, 13.6227

Square

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



29.9771, 15.3656, 5.3889



9.7569, 15.3656, 0.4891



5.6612, 15.3656, 38.0021



20.8391, 15.3656, 78.9299

Rectangle

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



29.9771, 15.3656, 5.3889



18.2821, 15.3656, 0.1615



5.6612, 15.3656, 38.0021



11.4565, 15.3656, 85.2677

Sweetspot

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



29.9774, 15.3666, 5.3891



67.5395, 57.4119, 61.4007



27.4068, 12.6526, 68.0149



13.8234, 11.3286, 11.9886



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.



29.9774, 15.3666, 5.3891



42.2679, 21.6711, 7.3427



30.4034, 17.4400, 1.7654



13.1968, 13.1078, 14.2978



17.8132, 9.1263, 3.3964



1.1895, 0.6054, 0.4068

Inverse Universe

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



29.9774, 15.3666, 5.3891



42.2679, 21.6711, 7.3427



26.7731, 33.0874, 71.9926



13.1968, 13.1078, 14.2978



17.8132, 9.1263, 3.3964



1.1895, 0.6054, 0.4068

Previews

White Background



This preview shows how the XYZ color 29.9771, 15.3656, 5.3889 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 29.9771, 15.3656, 5.3889

Background



This preview shows how black text looks on a background with the XYZ color 29.9771, 15.3656, 5.3889.



This preview shows how white text looks on a background with the XYZ color 29.9771, 15.3656,

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

29.9771, 15.3656, 5.3889

Protanopia

15.0125, 15.9789, 11.3098

Deuteranopia

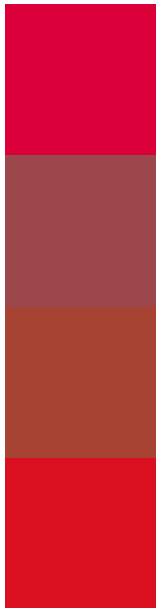
16.1284, 15.9086, 4.8054



Tritanopia

29.3413, 15.5992, 1.9948

Trichromacy



Original Color

29.9771, 15.3656, 5.3889

Protanomaly

17.0753, 11.9968, 8.2531

Deuteranomaly

18.5192, 12.4601, 4.4466

Tritanomaly

29.3450, 15.3514, 2.7830

Monochromacy



Original Color

29.9771, 15.3656, 5.3889

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.4476, 6.7192, 6.0565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9771, 15.3656, 5.3889 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 58) }
```

Border

The CSS property to change the border of an element to XYZ 29.9771, 15.3656, 5.3889 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, 58) }
```


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

```
.border{ border-color:rgb(219, 0, 58) }
```

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, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 58);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 58)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.9771, 15.3656, 5.3889 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, 58) }
```

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

```
.background{ background-color: rgb(219, 0,  
58) }
```

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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