

Converting Colors

XYZ(30.3424, 13.9285, 7.2667)

Have a look what the booklet for
XYZ(30.3424, 13.9285, 7.2667)
contains.

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Color

**XYZ(31.2939, 15.9975,
7.5693)**

Conversions

Conversions Part 1

Format	Color
Hex	DE0048
RGB	222, 0, 72
RGB Percent	87%, 0%, 28%
CMY	0.1294, 0.9998, 0.7176
CMYK	0.00, 1.00, 0.68, 0.13
HSL	341°, 100%, 44%
HSV	341°, 100%, 87%
XYZ	31.2939, 15.9975, 7.5693
YIQ	74.5860, 109.2000, 69.4560

Conversions

Conversions Part 2

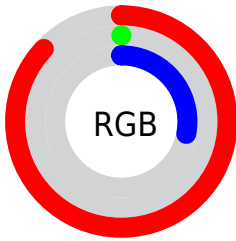
Format	Color
RYB	222, 0, 72
Decimal	14549064
CIELab	46.97, 73.83, 26.34
CIElCh	47, 78.387, 19.631
Yxy	15.9975, 0.5704, 0.2916
Android (android.graphics.Color)	4292739144 (0xFFDE0048)
YUV	74.5860, -1.2749, 129.2821
Hunter-Lab	39.9969, 69.6654, 16.7773

Details

The XYZ color **31.2939, 15.9975, 7.5693** 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 **31.6309, 54.4462, 37.7179**, and the grayscale version is **6.6070, 6.9510, 7.5697**.

A 20% lighter version of the original color is **48.3713, 30.0982, 21.0294**, and **14.3349, 7.3628, 1.8939** is the 20% darker color. If you saturate the color by 10%, you get **31.2926, 15.9969, 7.5633**, and if you desaturate by 10%, it is **32.1362, 16.8012, 10.5667**.

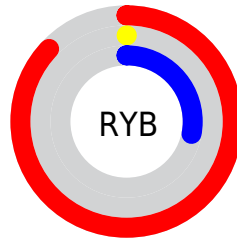
Distribution



Red (87%)

Green (0%)

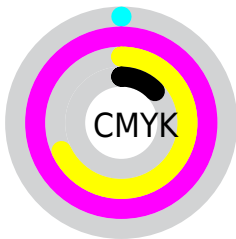
Blue (28%)



Red (87%)

Yellow (0%)

Blue (28%)

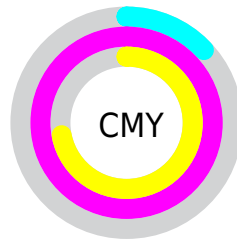


Cyan (0%)

Magenta (100%)

Yellow (68%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2939, 15.9975, 7.5693 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 31.2939, 15.9975, 7.5693 by changing the saturation by 10% instead.


 31.2939, 15.9975,
7.5693


 31.2939, 15.9975,
7.5693


299.6928,
229.3270, 182.1203


 20.9757, 9.5224,
3.7368


 61.0752, 36.5939,
21.6417


 13.2186, 5.0835,
1.4821


 81.2690, 51.4839,
32.7187

 7.6573, 2.2963,
0.2045


 105.4853, 69.9477,
47.0477

 3.9264, 0.7718,
0.0000

 134.0895, 92.3697,
65.0471

 1.6606, 0.0000,
0.0000

 167.4471,
119.1342, 87.1355

 0.4314, 0.0000,
0.0000

 205.9232,

 0.0000, 0.0000,

150.6256, 113.7315

0.0000

249.8833,
187.2284, 145.2536

■ 31.2939, 15.9975,
7.5693

■ 31.2939, 15.9975,
7.5693

■ 31.2926, 15.9969,
7.5633

■ 32.1362, 16.8012,
10.5667

■ 33.4402, 18.3242,
14.3466

■ 35.3220, 20.7871,
18.9835

■ 37.8499, 24.3159,
24.5333

■ 41.0819, 29.0168,
31.0464

■ 45.0694, 34.9829,
38.5690

■ 49.8589, 42.2980,
47.1441

■ 55.4926, 51.0387,
56.8119

■ 62.0102, 61.2757,
67.6105

Harmonies

Analogous

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



32.1932, 15.9975, 25.1296



31.2939, 15.9975, 7.5693



25.4332, 15.9975, 1.5865

Triad

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



31.2939, 15.9975, 7.5693



7.2148, 15.9975, 2.6281



12.9552, 15.9975, 87.1261

Complementary

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



31.2939, 15.9975, 7.5693



31.6309, 54.4462, 37.7179

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.



8.1691, 15.9975, 64.8737



31.2939, 15.9975, 7.5693



5.5794, 15.9975, 11.4723

Square

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



31.2939, 15.9975, 7.5693



11.1949, 15.9975, 0.5002



5.8664, 15.9975, 33.4168



20.0742, 15.9975, 82.5952

Rectangle

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



31.2939, 15.9975, 7.5693



20.2667, 15.9975, 0.5243



5.8664, 15.9975, 33.4168



11.0654, 15.9975, 82.1272

Sweetspot

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



31.2943, 15.9985, 7.5695



68.0752, 57.6262, 64.2218



25.4011, 11.5725, 70.0017



13.9477, 11.3783, 12.6435



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.



31.2943, 15.9985, 7.5695



42.7883, 21.8793, 10.0834



30.7872, 16.8554, 1.6322



13.8895, 13.7734, 15.1881



18.6326, 9.5201, 4.7313



1.3316, 0.6759, 0.5390

Inverse Universe

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



31.2943, 15.9985, 7.5695



42.7883, 21.8793, 10.0834



30.5360, 39.9756, 75.2134



13.8895, 13.7734, 15.1881



18.6326, 9.5201, 4.7313



1.3316, 0.6759, 0.5390

Previews

White Background



This preview shows how the XYZ color 31.2939, 15.9975, 7.5693 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 31.2939, 15.9975, 7.5693 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 31.2939, 15.9975, 7.5693

Background



This preview shows how black text looks on a background with the XYZ color 31.2939, 15.9975, 7.5693.



This preview shows how white text looks on a background with the XYZ color 31.2939, 15.9975,

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

31.2939, 15.9975, 7.5693

Protanopia

15.8428, 16.6328, 16.0111

Deuteranopia

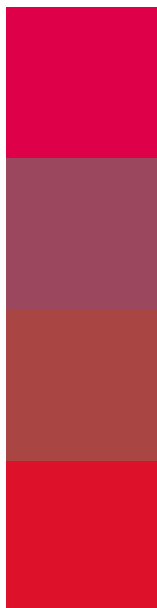
16.8795, 16.5619, 6.8645



Tritanopia

30.4336, 16.3211, 2.4660

Trichromacy



Original Color

31.2939, 15.9975, 7.5693

Protanomaly

17.8553, 12.4114, 12.0442

Deuteranomaly

19.4737, 13.0846, 6.6535

Tritanomaly

30.4530, 15.9719, 3.6683

Monochromacy



Original Color

31.2939, 15.9975, 7.5693

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

11.1951, 7.1975, 7.2778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2939, 15.9975, 7.5693 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, 72)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 72)  
}
```

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, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 72) }
```

Border

The CSS property to change the border of an element to XYZ 31.2939, 15.9975, 7.5693 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, 72) }
```


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

```
.border{ border-color:rgb(222, 0, 72) }
```

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, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 72);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 72)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.2939, 15.9975, 7.5693 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, 72) }
```

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

```
.background{ background-color: rgb(222, 0,  
72) }
```

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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