

Converting Colors

XYZ(27.1934, 10.3007, 5.8519)

Have a look what the booklet for
XYZ(27.1934, 10.3007, 5.8519)
contains.

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Color

**XYZ(29.6284, 15.1570,
6.6742)**

Conversions

Conversions Part 1

Format	Color
Hex	D90043
RGB	217, 0, 67
RGB Percent	85%, 0%, 26%
CMY	0.1490, 0.9998, 0.7373
CMYK	0.00, 1.00, 0.69, 0.15
HSL	341°, 100%, 43%
HSV	341°, 100%, 85%
XYZ	29.6284, 15.1570, 6.6742
YIQ	72.5210, 107.8250, 66.8410

Conversions

Conversions Part 2

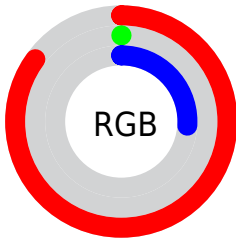
Format	Color
RYB	217, 0, 67
Decimal	14221379
CIELab	45.85, 72.43, 27.78
CIELCh	46, 77.576, 20.982
Yxy	15.1570, 0.5758, 0.2945
Android (android.graphics.Color)	4292411459 (0xFFD90043)
YUV	72.5210, -2.7219, 126.7081
Hunter-Lab	38.9320, 67.7128, 17.0882

Details

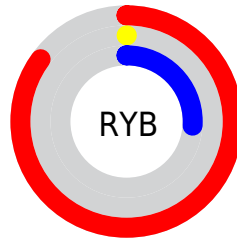
The XYZ color **29.6284, 15.1570, 6.6742** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **30.3223, 51.8293, 37.2808**, and the grayscale version is **6.2457, 6.5710, 7.1558**.

A 20% lighter version of the original color is **47.9069, 29.6426, 19.4163**, and **13.3123, 6.8425, 1.5388** is the 20% darker color. If you saturate the color by 10%, you get **29.6272, 15.1564, 6.6687**, and if you desaturate by 10%, it is **30.4204, 15.9252, 9.4539**.

Distribution



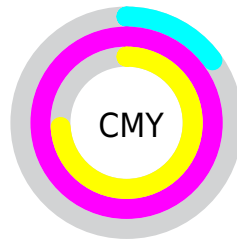
- Red (85%)
- Green (0%)
- Blue (26%)



- Red (85%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6284, 15.1570, 6.6742 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 29.6284, 15.1570, 6.6742 by changing the saturation by 10% instead.


 29.6284, 15.1570,
6.6742


 29.6284, 15.1570,
6.6742


292.1095,
224.3145, 174.4553


 19.7034, 8.9296,
3.1839


 58.4647, 35.1284,
19.8163


 12.2866, 4.6953,
1.1893


 78.1067, 49.6412,
30.3052


 7.0128, 2.0696,
0.0000


 101.7183, 67.6846,
43.9639

 3.5165, 0.6475,
0.0000

 129.6650, 89.6430,
61.2111

 1.4324, 0.0000,
0.0000

 162.3122,
115.9008, 82.4653

 0.2791, 0.0000,
0.0000

 200.0250,

 0.0000, 0.0000,

146.8424, 108.1451

0.0000

243.1690,
182.8522, 138.6689

■ 29.6284, 15.1570,
6.6742

■ 29.6284, 15.1570,
6.6742

■ 29.6272, 15.1564,
6.6687

■ 30.4204, 15.9252,
9.4539

■ 31.6534, 17.3755,
12.9965

■ 33.4392, 19.7195,
17.3761

■ 35.8428, 23.0764,
22.6485

■ 38.9196, 27.5466,
28.8637

■ 42.7185, 33.2184,
36.0678

■ 47.2838, 40.1712,
44.3035

■ 52.6561, 48.4775,
53.6109

■ 58.8729, 58.2044,
64.0278

Harmonies

Analogous

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



30.7392, 15.1570, 22.8175



29.6284, 15.1570, 6.6742



23.8632, 15.1570, 1.3564

Triad

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



29.6284, 15.1570, 6.6742



6.6777, 15.1570, 2.6276



12.5235, 15.1570, 83.7571

Complementary

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



29.6284, 15.1570, 6.6742



30.3223, 51.8293, 37.2808

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.



7.8505, 15.1570, 63.2851



29.6284, 15.1570, 6.6742



5.2130, 15.1570, 11.4769

Square

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



29.6284, 15.1570, 6.6742



10.3559, 15.1570, 0.4626



5.5652, 15.1570, 33.0518



19.3951, 15.1570, 78.1491

Rectangle

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



29.6284, 15.1570, 6.6742



18.9055, 15.1570, 0.3990



5.5652, 15.1570, 33.0518



10.6843, 15.1570, 79.3456

Sweetspot

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



29.6287, 15.1580, 6.6744



67.9335, 57.5695, 63.4756



24.7917, 11.3346, 66.5263



13.9148, 11.3651, 12.4699



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.



29.6287, 15.1580, 6.6744



42.6401, 21.8200, 9.3029



29.3682, 16.2575, 1.5916



13.2207, 13.1174, 14.4234



17.9766, 9.1917, 4.2568



1.2026, 0.6107, 0.4758

Inverse Universe

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



29.6287, 15.1580, 6.6744



42.6401, 21.8200, 9.3029



28.2916, 36.5434, 71.2076



13.2207, 13.1174, 14.4234



17.9766, 9.1917, 4.2568



1.2026, 0.6107, 0.4758

Previews

White Background



This preview shows how the XYZ color 29.6284, 15.1570, 6.6742 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 29.6284, 15.1570, 6.6742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

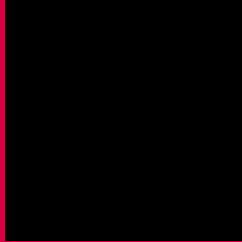
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6284, 15.1570, 6.6742

Background



This preview shows how black text looks on a background with the XYZ color 29.6284, 15.1570, 6.6742.



This preview shows how white text looks on a background with the XYZ color 29.6284, 15.1570,

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

29.6284, 15.1570, 6.6742

Protanopia

14.8983, 15.6976, 14.0491

Deuteranopia

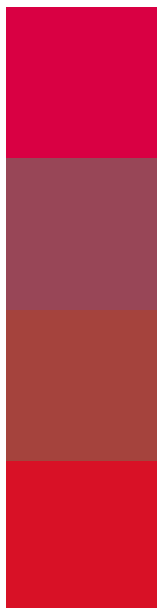
15.9434, 15.6328, 6.0480



Tritanopia

28.8557, 15.4407, 2.2186

Trichromacy



Original Color

29.6284, 15.1570, 6.6742

Protanomaly

16.8594, 11.7438, 10.3950

Deuteranomaly

18.3665, 12.3506, 5.8308

Tritanomaly

28.8692, 15.1398, 3.2344

Monochromacy



Original Color

29.6284, 15.1570, 6.6742

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

10.5718, 6.7689, 6.7106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6284, 15.1570, 6.6742 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(217, 0, 67)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 67)  
}
```

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(217, 0, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 67) }
```

Border

The CSS property to change the border of an element to XYZ 29.6284, 15.1570, 6.6742 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(217, 0, 67) }
```


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

```
.border{ border-color:rgb(217, 0, 67) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(217, 0, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 67);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 67)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.6284, 15.1570, 6.6742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 67) }
```

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

```
.background{ background-color: rgb(217, 0,  
67) }
```

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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