

Converting Colors

XYZ(28.2398, 13.8944, 7.4390)

Have a look what the booklet for
XYZ(28.2398, 13.8944, 7.4390)
contains.

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Color

**XYZ(28.6432, 14.6272,
7.6170)**

Conversions

Conversions Part 1

Format	Color
Hex	D50049
RGB	213, 0, 73
RGB Percent	84%, 0%, 29%
CMY	0.1647, 0.9998, 0.7137
CMYK	0.00, 1.00, 0.66, 0.16
HSL	339°, 100%, 42%
HSV	339°, 100%, 84%
XYZ	28.6432, 14.6272, 7.6170
YIQ	72.0090, 103.5150, 67.8590

Conversions

Conversions Part 2

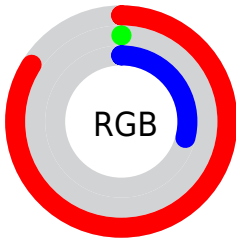
Format	Color
R_{YB}	213, 0, 73
Decimal	13959241
CIE _{Lab}	45.12, 71.78, 22.97
CIE _{LCh}	45, 75.361, 17.746
Yxy	14.6272, 0.5629, 0.2874
Android (android.graphics.Color)	4292149321 (0xFFD50049)
YUV	72.0090, 0.4886, 123.6491
Hunter-Lab	38.2455, 66.7543, 14.9636

Details

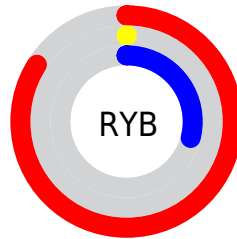
The XYZ color **28.6432, 14.6272, 7.6170** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **28.5317, 49.4834, 32.8761**, and the grayscale version is **6.1522, 6.4726, 7.0487**.

A 20% lighter version of the original color is **48.2636, 29.7852, 21.2945**, and **12.8120, 6.5778, 1.8227** is the 20% darker color. If you saturate the color by 10%, you get **28.6420, 14.6267, 7.6117**, and if you desaturate by 10%, it is **29.4354, 15.3834, 10.4354**.

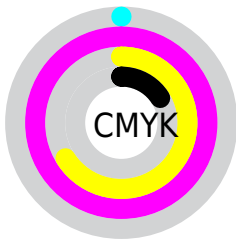
Distribution



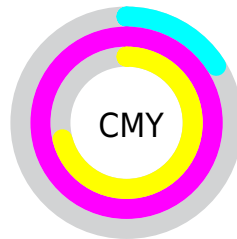
- Red (84%)
- Green (0%)
- Blue (29%)



- Red (84%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6432, 14.6272, 7.6170 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 28.6432, 14.6272, 7.6170 by changing the saturation by 10% instead.


 28.6432, 14.6272,
7.6170


 28.6432, 14.6272,
7.6170


287.5524,
221.0985, 182.5173

 18.9540, 8.5582,
3.7666


 56.9112, 34.1978,
21.7378


 11.7408, 4.4541,
1.4982


 76.2207, 48.4682,
32.8452


 6.6384, 1.9307,
0.2166


 99.4677, 66.2412,
47.2088

 3.2813, 0.5667,
0.0000

 127.0176, 87.9011,
65.2470

 1.3042, 0.0000,
0.0000

 159.2356,
113.8325, 87.3784

 0.1864, 0.0000,
0.0000

 196.4872,

 0.0000, 0.0000,

144.4195, 114.0216

0.0000

239.1377,
180.0468, 145.5950

■ 28.6432, 14.6272,
7.6170

■ 28.6432, 14.6272,
7.6170

■ 28.6420, 14.6267,
7.6117

■ 29.4354, 15.3834,
10.4354

■ 30.6408, 16.7879,
13.9390

■ 32.3658, 19.0448,
18.1926

■ 34.6716, 22.2672,
23.2437

■ 37.6100, 26.5507,
29.1352

■ 41.2269, 31.9792,
35.9061

■ 45.5637, 38.6283,
43.5932

■ 50.6584, 46.5669,
52.2306

■ 56.5463, 55.8587,
61.8508

Harmonies

Analogous

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



29.1249, 14.6272, 24.3356



28.6432, 14.6272, 7.6170



23.5676, 14.6272, 1.6606

Triad

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



28.6432, 14.6272, 7.6170



6.8096, 14.6272, 2.2280



11.5210, 14.6272, 78.0895

Complementary

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



28.6432, 14.6272, 7.6170



28.5317, 49.4834, 32.8761

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.



7.3243, 14.6272, 56.9676



28.6432, 14.6272, 7.6170



5.1990, 14.6272, 9.7192

Square

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



28.6432, 14.6272, 7.6170



10.5740, 14.6272, 0.4206



5.3541, 14.6272, 28.7764



17.8655, 14.6272, 75.6695

Rectangle

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



28.6432, 14.6272, 7.6170



18.9284, 14.6272, 0.5624



5.3541, 14.6272, 28.7764



9.8561, 14.6272, 73.1009

Sweetspot

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



28.6435, 14.6281, 7.6172



68.2442, 57.6938, 65.1118



22.5692, 10.2482, 63.7390



13.9871, 11.3941, 12.8508



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.



28.6435, 14.6281, 7.6172



42.9750, 21.9540, 11.0663



27.9569, 15.1786, 1.4576



12.5971, 12.4903, 13.8185



17.5392, 8.9520, 4.8775



1.0962, 0.5553, 0.4958

Inverse Universe

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



28.6435, 14.6281, 7.6172



42.9750, 21.9540, 11.0663



28.5461, 37.8751, 68.7566



12.5971, 12.4903, 13.8185



17.5392, 8.9520, 4.8775



1.0962, 0.5553, 0.4958

Previews

White Background



This preview shows how the XYZ color 28.6432, 14.6272, 7.6170 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 28.6432, 14.6272, 7.6170 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 28.6432, 14.6272, 7.6170

Background



This preview shows how black text looks on a background with the XYZ color 28.6432, 14.6272, 7.6170.



This preview shows how white text looks on a background with the XYZ color 28.6432, 14.6272,

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

28.6432, 14.6272, 7.6170

Protanopia

14.5719, 15.1662, 16.0693

Deuteranopia

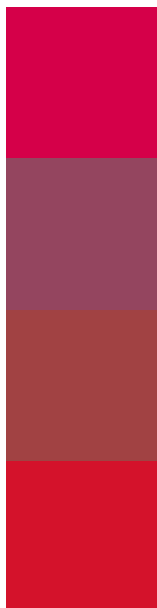
15.3632, 15.1650, 6.8200



Tritanopia

27.7772, 14.9504, 2.3990

Trichromacy



Original Color

28.6432, 14.6272, 7.6170

Protanomaly

16.4064, 11.3784, 12.1580

Deuteranomaly

17.6593, 11.8787, 6.6723

Tritanomaly

27.8037, 14.6041, 3.6389

Monochromacy



Original Color

28.6432, 14.6272, 7.6170

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.3151, 6.6328, 6.8675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6432, 14.6272, 7.6170 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(213, 0, 73)` looks like.

```
.text, #text, p{  
    color:rgb(213, 0, 73)  
}
```

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(213, 0, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 0, 73) }
```

Border

The CSS property to change the border of an element to XYZ 28.6432, 14.6272, 7.6170 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(213, 0, 73) }
```


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

```
.border{ border-color:rgb(213, 0, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 0, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 0, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 0, 73);  
box-shadow:4px 4px 4px 4px rgb(213, 0, 73)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.6432, 14.6272, 7.6170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 0, 73) }
```

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

```
.background{ background-color: rgb(213, 0,  
73) }
```

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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