

Converting Colors

XYZ(28.1307, 14.3771, 6.9536)

Have a look what the booklet for
XYZ(28.1307, 14.3771, 6.9536)
contains.

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Color

**XYZ(28.2256, 14.4267,
6.9272)**

Conversions

Conversions Part 1

Format	Color
Hex	D40045
RGB	212, 0, 69
RGB Percent	83%, 0%, 27%
CMY	0.1686, 0.9998, 0.7294
CMYK	0.00, 1.00, 0.67, 0.17
HSL	340°, 100%, 42%
HSV	340°, 100%, 83%
XYZ	28.2256, 14.4267, 6.9272
YIQ	71.2540, 104.2030, 66.4030

Conversions

Conversions Part 2

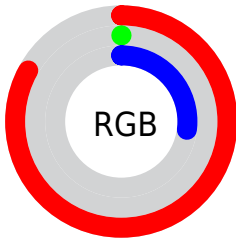
Format	Color
RYB	212, 0, 69
Decimal	13893701
CIELab	44.84, 71.35, 25.05
CIELCh	45, 75.618, 19.348
Yxy	14.4267, 0.5693, 0.2910
Android (android.graphics.Color)	4292083781 (0xFFD40045)
YUV	71.2540, -1.1112, 123.4342
Hunter-Lab	37.9825, 66.1778, 15.7745

Details

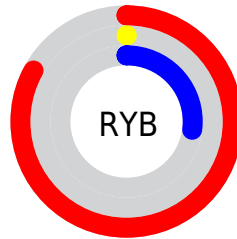
The XYZ color **28.2256, 14.4267, 6.9272** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **28.5051, 49.0715, 33.9727**, and the grayscale version is **6.0255, 6.3393, 6.9035**.

A 20% lighter version of the original color is **47.9406, 29.5238, 20.0015**, and **12.5923, 6.4687, 1.6218** is the 20% darker color. If you saturate the color by 10%, you get **28.2246, 14.4263, 6.9225**, and if you desaturate by 10%, it is **28.9970, 15.1715, 9.6452**.

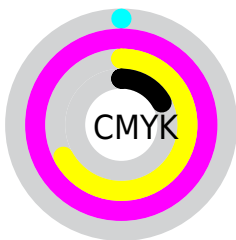
Distribution



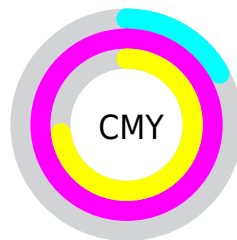
- Red (83%)
- Green (0%)
- Blue (27%)



- Red (83%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2256, 14.4267, 6.9272 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 28.2256, 14.4267, 6.9272 by changing the saturation by 10% instead.


 28.2256, 14.4267,
6.9272

 28.2256, 14.4267,
6.9272


285.6039,
219.8694, 176.6653


 18.6371, 8.4180,
3.3389


 56.2505, 33.8442,
20.3370


 11.5108, 4.3636,
1.2702


 75.4177, 48.0219,
30.9955

 6.4813, 1.8790,
0.0371


 98.5085, 65.6914,
44.8478

 3.1833, 0.5357,
0.0000

 125.8882, 87.2370,
62.3125

 1.2514, 0.0000,
0.0000

 157.9223,
113.0433, 83.8080

 0.1464, 0.0000,
0.0000

 194.9760,

 0.0000, 0.0000,

143.4945, 109.7530

0.0000

237.4148,
178.9751, 140.5659

■ 28.2256, 14.4267,
6.9272

■ 28.2256, 14.4267,
6.9272

■ 28.2246, 14.4263,
6.9225

■ 28.9970, 15.1715,
9.6452

■ 30.1811, 16.5589,
13.0634

■ 31.8841, 18.7914,
17.2492

■ 34.1670, 21.9811,
22.2523

■ 37.0814, 26.2225,
28.1173

■ 40.6731, 31.5989,
34.8854

■ 44.9835, 38.1850,
42.5948

■ 50.0504, 46.0491,
51.2813

■ 55.9092, 55.2545,
60.9788

Harmonies

Analogous

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



28.9856, 14.4267, 22.8617



28.2256, 14.4267, 6.9272



22.9825, 14.4267, 1.4609

Triad

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



28.2256, 14.4267, 6.9272



6.5379, 14.4267, 2.3434



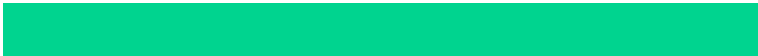
11.6343, 14.4267, 78.3349

Complementary

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



28.2256, 14.4267, 6.9272



28.5051, 49.0715, 33.9727

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.



7.3452, 14.4267, 58.1490



28.2256, 14.4267, 6.9272



5.0461, 14.4267, 10.2283

Square

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



28.2256, 14.4267, 6.9272



10.1457, 14.4267, 0.4167



5.2889, 14.4267, 29.8656



18.0295, 14.4267, 74.5074

Rectangle

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



28.2256, 14.4267, 6.9272



18.3357, 14.4267, 0.4579



5.2889, 14.4267, 29.8656



9.9396, 14.4267, 73.7635

Sweetspot

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



28.2259, 14.4276, 6.9274



68.0859, 57.6305, 64.2781



22.9278, 10.4476, 63.0953



13.9502, 11.3793, 12.6566



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.



28.2259, 14.4276, 6.9274



42.7998, 21.8839, 10.1439



27.7635, 15.2210, 1.4759



12.5882, 12.4868, 13.7715



17.4656, 8.9226, 4.4899



1.0910, 0.5532, 0.4684

Inverse Universe

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



28.2259, 14.4276, 6.9274



42.7998, 21.8839, 10.1439



27.5419, 36.0692, 67.7976



12.5882, 12.4868, 13.7715



17.4656, 8.9226, 4.4899



1.0910, 0.5532, 0.4684

Previews

White Background



This preview shows how the XYZ color 28.2256, 14.4267, 6.9272 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 28.2256, 14.4267, 6.9272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

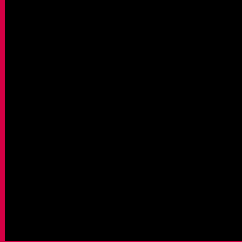
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.2256, 14.4267, 6.9272

Background



This preview shows how black text looks on a background with the XYZ color 28.2256, 14.4267, 6.9272.



This preview shows how white text looks on a background with the XYZ color 28.2256, 14.4267,

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

28.2256, 14.4267, 6.9272

Protanopia

14.4429, 15.1292, 14.7294

Deuteranopia

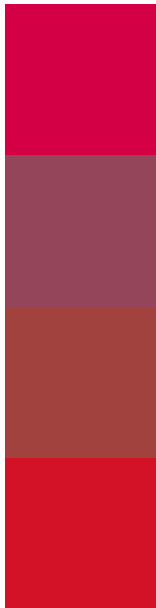
15.1554, 14.9218, 6.2191



Tritanopia

27.4441, 14.7453, 2.2638

Trichromacy



Original Color

28.2256, 14.4267, 6.9272

Protanomaly

16.1863, 11.2903, 10.9990

Deuteranomaly

17.5434, 11.8324, 6.0619

Tritanomaly

27.4633, 14.4347, 3.3462

Monochromacy



Original Color

28.2256, 14.4267, 6.9272

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.0699, 6.4565, 6.5098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2256, 14.4267, 6.9272 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(212, 0, 69)` looks like.

```
.text, #text, p{  
  color:rgb(212, 0, 69)  
}
```

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(212, 0, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 69) }
```

Border

The CSS property to change the border of an element to XYZ 28.2256, 14.4267, 6.9272 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(212, 0, 69) }
```


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

```
.border{ border-color:rgb(212, 0, 69) }
```

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

Here you see how a box with a 4 pixel rgb(212, 0, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 69);  
box-shadow:4px 4px 4px 4px rgb(212, 0, 69)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.2256, 14.4267, 6.9272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 69) }
```

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

```
.background{ background-color: rgb(212, 0,  
69) }
```

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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