

Converting Colors

XYZ(28.6793, 14.5527, 10.3648)

Have a look what the booklet for
XYZ(28.6793, 14.5527, 10.3648)
contains.

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Color

**XYZ(28.5843, 14.5370,
10.3162)**

Conversions

Conversions Part 1

Format	Color
Hex	D30057
RGB	211, 0, 87
RGB Percent	83%, 0%, 34%
CMY	0.1726, 0.9998, 0.6588
CMYK	0.00, 1.00, 0.59, 0.17
HSL	335°, 100%, 41%
HSV	335°, 100%, 83%
XYZ	28.5843, 14.5370, 10.3162
YIQ	73.0070, 97.8290, 71.7890

Conversions

Conversions Part 2

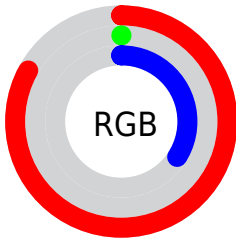
Format	Color
R_{YB}	211, 0, 87
Decimal	13828183
CIE Lab	44.99, 72.09, 13.98
CIE LCh	45, 73.432, 10.979
Yxy	14.5370, 0.5349, 0.2720
Android (android.graphics.Color)	4292018263 (0xFFD30057)
YUV	73.0070, 6.8985, 121.0199
Hunter-Lab	38.1274, 67.0993, 10.6470

Details

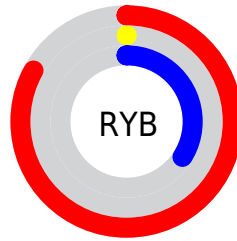
The XYZ color **28.5843, 14.5370, 10.3162** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **26.9355, 48.0450, 26.9367**, and the grayscale version is **6.3145, 6.6434, 7.2346**.

A 20% lighter version of the original color is **49.2563, 30.1823, 26.5222**, and **12.8305, 6.5640, 2.8762** is the 20% darker color. If you saturate the color by 10%, you get **28.5832, 14.5366, 10.3108**, and if you desaturate by 10%, it is **29.4061, 15.2990, 13.3087**.

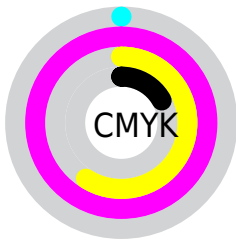
Distribution



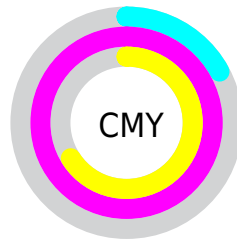
- Red (83%)
- Green (0%)
- Blue (34%)



- Red (83%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5843, 14.5370, 10.3162 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 28.5843, 14.5370, 10.3162 by changing the saturation by 10% instead.


 28.5843, 14.5370,
10.3162


 28.5843, 14.5370,
10.3162


287.2782,
220.5464, 203.4803


 18.9093, 8.4951,
5.5008


 56.8181, 34.0389,
27.0056


 11.7084, 4.4133,
2.4801


 76.1076, 48.2676,
39.7167


 6.6162, 1.9074,
0.8296


 99.3326, 65.9941,
55.8967

 3.2674, 0.5528,
0.0000

 126.8585, 87.6027,
75.9643

 1.2967, 0.0000,
0.0000

 159.0507,
113.4779, 100.3379

 0.1808, 0.0000,
0.0000

 196.2745,

 0.0000, 0.0000,

144.0039, 129.4360

0.0000

238.8952,
179.5653, 163.6773

■ 28.5843, 14.5370,
10.3162

■ 28.5843, 14.5370,
10.3162

■ 28.5832, 14.5366,
10.3108

■ 29.4061, 15.2990,
13.3087

■ 30.6143, 16.6876,
16.8799

■ 32.3117, 18.9024,
21.0832

■ 34.5561, 22.0534,
25.9560

■ 37.3967, 26.2332,
31.5315

■ 40.8769, 31.5233,
37.8406

■ 45.0356, 37.9969,
44.9117

■ 49.9089, 45.7207,
52.7716

■ 55.5299, 54.7568,
61.4456

Harmonies

Analogous

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



27.9073, 14.5370, 29.2814



28.5843, 14.5370, 10.3162



24.5304, 14.5370, 2.5213

Triad

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



28.5843, 14.5370, 10.3162



7.5303, 14.5370, 1.6732



10.3766, 14.5370, 72.4237

Complementary

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



28.5843, 14.5370, 10.3162



26.9355, 48.0450, 26.9367

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.



6.7899, 14.5370, 49.0494



28.5843, 14.5370, 10.3162



5.5073, 14.5370, 7.2943

Square

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



28.5843, 14.5370, 10.3162



11.7273, 14.5370, 0.3836



5.2828, 14.5370, 23.0199



16.1412, 14.5370, 75.7921

Rectangle

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



28.5843, 14.5370, 10.3162



20.2293, 14.5370, 0.9342



5.2828, 14.5370, 23.0199



8.9269, 14.5370, 66.1306

Sweetspot

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



28.5847, 14.5379, 10.3164



68.8971, 57.9550, 68.5499



19.9411, 8.9225, 62.2990



14.1398, 11.4552, 13.6548



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.



28.5847, 14.5379, 10.3164



43.7956, 22.2822, 15.3875



27.0744, 14.2694, 1.3285



12.0079, 11.8879, 13.3174



17.2982, 8.7921, 6.4766



1.0063, 0.5072, 0.5677

Inverse Universe

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



28.5847, 14.5379, 10.3164



43.7956, 22.2822, 15.3875



30.9213, 43.0293, 68.3036



12.0079, 11.8879, 13.3174



17.2982, 8.7921, 6.4766



1.0063, 0.5072, 0.5677

Previews

White Background



This preview shows how the XYZ color 28.5843, 14.5370, 10.3162 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 28.5843, 14.5370, 10.3162 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 28.5843, 14.5370, 10.3162

Background



This preview shows how black text looks on a background with the XYZ color 28.5843, 14.5370, 10.3162.



This preview shows how white text looks on a background with the XYZ color 28.5843, 14.5370,

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

28.5843, 14.5370, 10.3162

Protanopia

15.0190, 15.2607, 22.2327

Deuteranopia

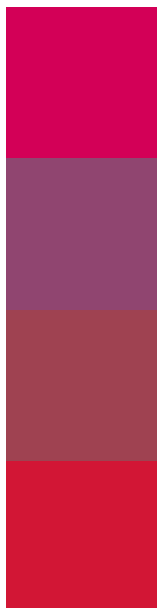
15.3787, 15.1178, 9.3152



Tritanopia

27.1700, 14.8672, 2.8765

Trichromacy



Original Color

28.5843, 14.5370, 10.3162

Protanomaly

16.5544, 11.3554, 16.6485

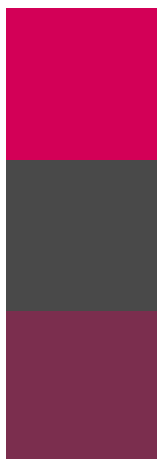
Deuteranomaly

17.7315, 11.8614, 9.1395

Tritanomaly

27.5079, 14.5325, 4.7234

Monochromacy



Original Color

28.5843, 14.5370, 10.3162

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

10.5205, 6.7150, 7.9494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5843, 14.5370, 10.3162 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(211, 0, 87)` looks like.

```
.text, #text, p{  
    color:rgb(211, 0, 87)  
}
```

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(211, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 0, 87) }
```

Border

The CSS property to change the border of an element to XYZ 28.5843, 14.5370, 10.3162 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(211, 0, 87) }
```


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

```
.border{ border-color:rgb(211, 0, 87) }
```

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

Here you see how a box with a 4 pixel rgb(211, 0, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 0, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 0, 87);  
box-shadow:4px 4px 4px 4px rgb(211, 0, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.5843, 14.5370, 10.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 0, 87) }
```

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

```
.background{ background-color: rgb(211, 0,  
87) }
```

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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