

Converting Colors

XYZ(28.4295, 14.5703, 8.2987)

Have a look what the booklet for
XYZ(28.4295, 14.5703, 8.2987)
contains.

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Color

**XYZ(28.5343, 14.6197,
8.3391)**

Conversions

Conversions Part 1

Format	Color
Hex	D4044D
RGB	212, 4, 77
RGB Percent	83%, 2%, 30%
CMY	0.1686, 0.9841, 0.6980
CMYK	0.00, 0.98, 0.64, 0.17
HSL	339°, 96%, 42%
HSV	339°, 98%, 83%
XYZ	28.5343, 14.6197, 8.3391
YIQ	74.5140, 100.5350, 66.7990

Conversions

Conversions Part 2

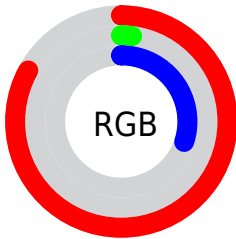
Format	Color
RYB	212, 4, 77
Decimal	13894733
CIELab	45.11, 71.40, 20.43
CIElCh	45, 74.260, 15.966
Yxy	14.6197, 0.5541, 0.2839
Android (android.graphics.Color)	4292084813 (0xFFD4044D)
YUV	74.5140, 1.2256, 120.5752
Hunter-Lab	38.2357, 66.2973, 13.8340

Details

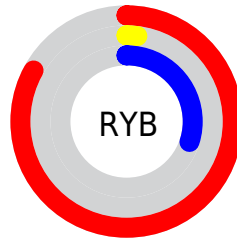
The XYZ color **28.5343, 14.6197, 8.3391** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **28.2575, 48.9781, 32.4080**, and the grayscale version is **6.5903, 6.9335, 7.5506**.

A 20% lighter version of the original color is **48.6621, 30.0787, 22.9797**, and **12.6832, 6.5051, 2.1005** is the 20% darker color. If you saturate the color by 10%, you get **28.3998, 14.4964, 7.8459**, and if you desaturate by 10%, it is **29.3822, 15.4540, 11.2783**.

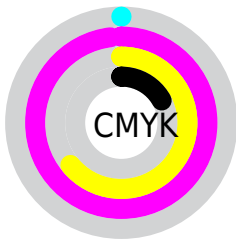
Distribution



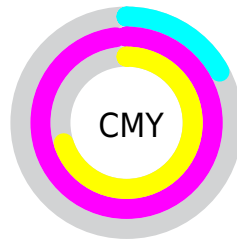
- Red (83%)
- Green (2%)
- Blue (30%)



- Red (83%)
- Yellow (2%)
- Blue (30%)



- Cyan (0%)
- Magenta (98%)
- Yellow (64%)
- Black (17%)





- Cyan (17%)
- Magenta (98%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5343, 14.6197, 8.3391 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 28.5343, 14.6197, 8.3391 by changing the saturation by 10% instead.


 28.5343, 14.6197,
8.3391


 28.5343, 14.6197,
8.3391


287.0453,
221.0527, 188.4009


 18.8713, 8.5529,
4.2218


 56.7391, 34.1846,
23.1776


 11.6808, 4.4507,
1.7478


 76.0115, 48.4516,
34.7360

 6.5974, 1.9288,
0.3932


 99.2179, 66.2207,
49.6117

 3.2557, 0.5656,
0.0000

 126.7235, 87.8764,
68.2234

 1.2904, 0.0000,
0.0000

 158.8937,
113.8030, 90.9897

 0.1760, 0.0000,
0.0000

 196.0938,

 0.0000, 0.0000,

144.3850, 118.3290

0.0000

238.6892,
180.0068, 150.6599

■ 28.5343, 14.6197,
8.3391

■ 28.5343, 14.6197,
8.3391

■ 28.3998, 14.4964,
7.8459

■ 29.3822, 15.4540,
11.2783

■ 30.6712, 16.9962,
14.9011

■ 32.4841, 19.4034,
19.2625

■ 34.8791, 22.7835,
24.4072

■ 37.9059, 27.2283,
30.3757

■ 41.6087, 32.8190,
37.2051

■ 46.0276, 39.6287,
44.9302

■ 51.1994, 47.7246,
53.5837

■ 57.1583, 57.1687,
63.1963

Harmonies

Analogous

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



28.7002, 14.6197, 25.5554



28.5343, 14.6197, 8.3391



23.7702, 14.6197, 1.9108

Triad

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



28.5343, 14.6197, 8.3391



7.0432, 14.6197, 2.1127



11.2359, 14.6197, 75.9895

Complementary

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



28.5343, 14.6197, 8.3391



28.2575, 48.9781, 32.4080

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.



7.2227, 14.6197, 54.4486



28.5343, 14.6197, 8.3391



5.3280, 14.6197, 9.0716

Square

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



28.5343, 14.6197, 8.3391



10.9071, 14.6197, 0.4460



5.3823, 14.6197, 27.0873



17.3854, 14.6197, 75.1602

Rectangle

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



28.5343, 14.6197, 8.3391



19.2529, 14.6197, 0.6958



5.3823, 14.6197, 27.0873



9.6375, 14.6197, 70.6927

Sweetspot

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



28.5346, 14.6206, 8.3393



69.0357, 58.8327, 66.7443



22.0403, 10.0546, 63.0660



14.1405, 11.6098, 13.1826



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.



28.5346, 14.6206, 8.3393



43.0625, 21.9890, 11.5271



27.6838, 15.0267, 1.5575



12.6014, 12.4920, 13.8410



17.5759, 8.9667, 5.0707



1.0987, 0.5563, 0.5092

Inverse Universe

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



28.5346, 14.6206, 8.3393



43.0625, 21.9890, 11.5271



29.1313, 39.1737, 68.3128



12.6014, 12.4920, 13.8410



17.5759, 8.9667, 5.0707



1.0987, 0.5563, 0.5092

Previews

White Background



This preview shows how the XYZ color 28.5343, 14.6197, 8.3391 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 28.5343, 14.6197, 8.3391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

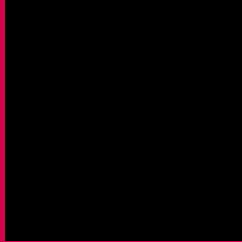
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.5343, 14.6197, 8.3391

Background



This preview shows how black text looks on a background with the XYZ color 28.5343, 14.6197, 8.3391.



This preview shows how white text looks on a background with the XYZ color 28.5343, 14.6197,

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

28.5343, 14.6197, 8.3391

Protanopia

14.6499, 15.1686, 17.7785

Deuteranopia

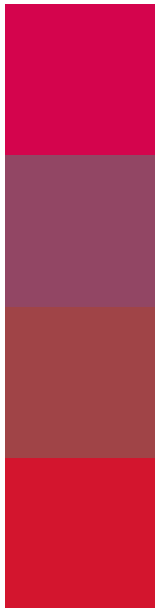
15.3538, 15.1433, 7.5826



Tritanopia

27.5636, 14.9127, 2.5243

Trichromacy



Original Color

28.5343, 14.6197, 8.3391

Protanomaly

16.3445, 11.4114, 13.3978

Deuteranomaly

17.7017, 12.0628, 7.3566

Tritanomaly

27.6253, 14.5825, 3.9435

Monochromacy



Original Color

28.5343, 14.6197, 8.3391

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

10.8603, 7.0784, 7.6313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5343, 14.6197, 8.3391 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, 4, 77)` looks like.

```
.text, #text, p{  
  color:rgb(212, 4, 77)  
}
```

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, 4, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 4, 77) }
```

Border

The CSS property to change the border of an element to XYZ 28.5343, 14.6197, 8.3391 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, 4, 77) }
```


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

```
.border{ border-color:rgb(212, 4, 77) }
```

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

Here you see how a box with a 4 pixel rgb(212, 4, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 4, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 4, 77);  
box-shadow:4px 4px 4px 4px rgb(212, 4, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.5343, 14.6197, 8.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 4, 77) }
```

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

```
.background{ background-color: rgb(212, 4,  
77) }
```

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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