

Converting Colors

XYZ(28.6191, 14.5873, 8.4192)

Have a look what the booklet for
XYZ(28.6191, 14.5873, 8.4192)
contains.

XYZ(28.4909, 14.5329, 8.3247)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.4909, 14.5329,
8.3247)**

Conversions

Conversions Part 1

Format	Color
Hex	D4004D
RGB	212, 0, 77
RGB Percent	83%, 0%, 30%
CMY	0.1686, 0.9998, 0.6980
CMYK	0.00, 1.00, 0.64, 0.17
HSL	338°, 100%, 42%
HSV	338°, 100%, 83%
XYZ	28.4909, 14.5329, 8.3247
YIQ	72.1660, 101.6350, 68.8910

Conversions

Conversions Part 2

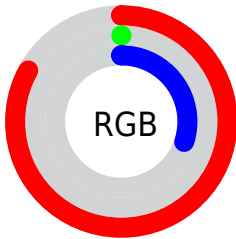
Format	Color
RYB	212, 0, 77
Decimal	13893709
CIELab	44.99, 71.75, 20.27
CIElCh	45, 74.555, 15.773
Yxy	14.5329, 0.5549, 0.2830
Android (android.graphics.Color)	4292083789 (0xFFD4004D)
YUV	72.1660, 2.3832, 122.6344
Hunter-Lab	38.1220, 66.6902, 13.7383

Details

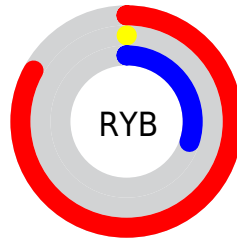
The XYZ color **28.4909, 14.5329, 8.3247** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **27.9204, 48.8375, 30.8940**, and the grayscale version is **6.1764, 6.4981, 7.0764**.

A 20% lighter version of the original color is **48.5140, 29.8854, 22.6135**, and **12.6832, 6.5051, 2.1005** is the 20% darker color. If you saturate the color by 10%, you get **28.4896, 14.5323, 8.3191**, and if you desaturate by 10%, it is **29.2909, 15.2892, 11.1929**.

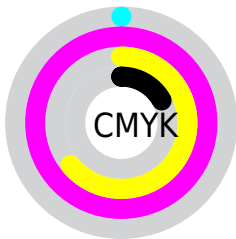
Distribution



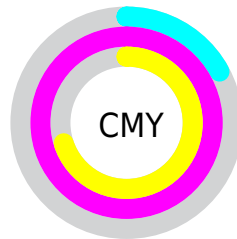
- Red (83%)
- Green (0%)
- Blue (30%)



- Red (83%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4909, 14.5329, 8.3247 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 28.4909, 14.5329, 8.3247 by changing the saturation by 10% instead.

 28.4909, 14.5329,
8.3247


 28.4909, 14.5329,
8.3247


286.8430,
220.5213, 188.2858


 18.8384, 8.4922,
4.2127


 56.6704, 34.0316,
23.1492


 11.6569, 4.4115,
1.7427


 75.9281, 48.2585,
34.6987

 6.5810, 1.9063,
0.3898


 99.1183, 65.9829,
49.5644

 3.2455, 0.5522,
0.0000

 126.6062, 87.5891,
68.1650

 1.2849, 0.0000,
0.0000

 158.7573,
113.4617, 90.9188

 0.1718, 0.0000,
0.0000

 195.9369,

 0.0000, 0.0000,

143.9850, 118.2445

0.0000

238.5103,
179.5434, 150.5607

■ 28.4909, 14.5329,
8.3247

■ 28.4909, 14.5329,
8.3247

■ 28.4896, 14.5323,
8.3191

■ 29.2909, 15.2892,
11.1929

■ 30.4941, 16.6844,
14.7116

■ 32.2057, 18.9205,
18.9416

■ 34.4852, 22.1090,
23.9269

■ 37.3836, 26.3442,
29.7071

■ 40.9456, 31.7089,
36.3183

■ 45.2118, 38.2776,
43.7943

■ 50.2193, 46.1181,
52.1670

■ 56.0026, 55.2935,
61.4663

Harmonies

Analogous

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



28.6241, 14.5329, 25.6213



28.4909, 14.5329, 8.3247



23.7392, 14.5329, 1.8837

Triad

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



28.4909, 14.5329, 8.3247



6.9870, 14.5329, 2.0434



11.1213, 14.5329, 76.0105

Complementary

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



28.4909, 14.5329, 8.3247



27.9204, 48.8375, 30.8940

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.



7.1303, 14.5329, 54.2726



28.4909, 14.5329, 8.3247



5.2658, 14.5329, 8.9094

Square

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



28.4909, 14.5329, 8.3247



10.8584, 14.5329, 0.4067



5.3090, 14.5329, 26.8497



17.2603, 14.5329, 75.3435

Rectangle

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



28.4909, 14.5329, 8.3247



19.2189, 14.5329, 0.6695



5.3090, 14.5329, 26.8497



9.5298, 14.5329, 70.6416

Sweetspot

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



28.4912, 14.5338, 8.3249



68.4340, 57.7697, 66.1114



21.7609, 9.8462, 63.0404



14.0314, 11.4118, 13.0841



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.



28.4912, 14.5338, 8.3249



43.1973, 22.0429, 12.2371



27.5740, 14.8422, 1.4129



12.6077, 12.4946, 13.8746



17.6323, 8.9892, 5.3675



1.1026, 0.5578, 0.5296

Inverse Universe

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



28.4912, 14.5338, 8.3249



43.1973, 22.0429, 12.2371



28.9705, 38.9264, 68.2735



12.6077, 12.4946, 13.8746



17.6323, 8.9892, 5.3675



1.1026, 0.5578, 0.5296

Previews

White Background



This preview shows how the XYZ color 28.4909, 14.5329, 8.3247 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 28.4909, 14.5329, 8.3247 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 28.4909, 14.5329, 8.3247

Background



This preview shows how black text looks on a background with the XYZ color 28.4909, 14.5329, 8.3247.



This preview shows how white text looks on a background with the XYZ color 28.4909, 14.5329,

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

28.4909, 14.5329, 8.3247

Protanopia

14.6499, 15.1686, 17.7785

Deuteranopia

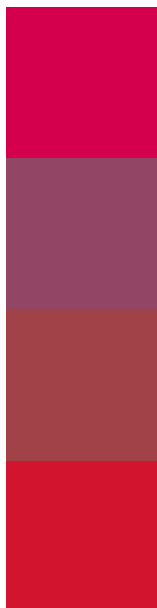
15.3538, 15.1433, 7.5826



Tritanopia

27.5636, 14.9127, 2.5243

Trichromacy



Original Color

28.4909, 14.5329, 8.3247

Protanomaly

16.2824, 11.2873, 13.3771

Deuteranomaly

17.5827, 11.8249, 7.3170

Tritanomaly

27.6073, 14.5465, 3.9374

Monochromacy



Original Color

28.4909, 14.5329, 8.3247

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.3814, 6.6594, 7.2168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4909, 14.5329, 8.3247 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, 77)` looks like.

```
.text, #text, p{  
  color:rgb(212, 0, 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, 0, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 77) }
```

Border

The CSS property to change the border of an element to XYZ 28.4909, 14.5329, 8.3247 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, 77) }
```


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

```
.border{ border-color:rgb(212, 0, 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, 0, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 77);  
box-shadow:4px 4px 4px 4px rgb(212, 0, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.4909, 14.5329, 8.3247 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, 77) }
```

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

```
.background{ background-color: rgb(212, 0,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor