

Converting Colors

XYZ(29.4072, 14.9732, 9.8169)

Have a look what the booklet for
XYZ(29.4072, 14.9732, 9.8169)
contains.

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Color

**XYZ(29.3318, 14.9362,
9.7245)**

Conversions

Conversions Part 1

Format	Color
Hex	D60054
RGB	214, 0, 84
RGB Percent	84%, 0%, 33%
CMY	0.1608, 0.9998, 0.6706
CMYK	0.00, 1.00, 0.61, 0.16
HSL	336°, 100%, 42%
HSV	336°, 100%, 84%
XYZ	29.3318, 14.9362, 9.7245
YIQ	73.5620, 100.5800, 71.4920

Conversions

Conversions Part 2

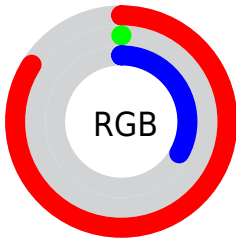
Format	Color
R_{YB}	214, 0, 84
Decimal	14024788
CIE Lab	45.55, 72.60, 16.72
CIE LCh	46, 74.498, 12.967
Yxy	14.9362, 0.5433, 0.2766
Android (android.graphics.Color)	4292214868 (0xFFD60054)
YUV	73.5620, 5.1459, 123.1641
Hunter-Lab	38.6474, 67.8414, 12.1345

Details

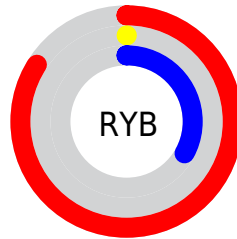
The XYZ color **29.3318, 14.9362, 9.7245** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **28.0791, 49.7061, 29.2484**, and the grayscale version is **6.4144, 6.7484, 7.3490**.

A 20% lighter version of the original color is **49.0460, 30.0982, 25.4148**, and **13.1455, 6.7325, 2.6141** is the 20% darker color. If you saturate the color by 10%, you get **29.3307, 14.9358, 9.7191**, and if you desaturate by 10%, it is **30.1656, 15.7120, 12.7527**.

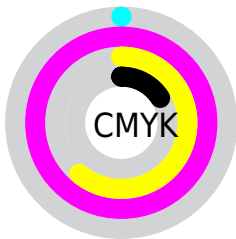
Distribution



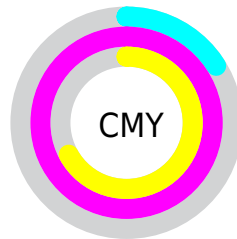
- Red (84%)
- Green (0%)
- Blue (33%)



- Red (84%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3318, 14.9362, 9.7245 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 29.3318, 14.9362, 9.7245 by changing the saturation by 10% instead.


 29.3318, 14.9362,
9.7245


 29.3318, 14.9362,
9.7245


290.7433,
222.9797, 199.1072


 19.4775, 8.7746,
5.1135

 57.9978, 34.7412,
25.8757


 12.1219, 4.5945,
2.2541


 77.5401, 49.1534,
38.2529


 6.8995, 2.0113,
0.7053


 101.0426, 67.0847,
54.0559

 3.4451, 0.6141,
0.0000

 128.8704, 88.9193,
73.7033

 1.3933, 0.0000,
0.0000

 161.3891,
115.0417, 97.6136

 0.2514, 0.0000,
0.0000

 198.9639,

 0.0000, 0.0000,

145.8364, 126.2053

0.0000

241.9602,
181.6876, 159.8970

■ 29.3318, 14.9362,
9.7245

■ 29.3318, 14.9362,
9.7245

■ 29.3307, 14.9358,
9.7191

■ 30.1656, 15.7120,
12.7527

■ 31.4044, 17.1384,
16.4062

■ 33.1542, 19.4206,
20.7426

■ 35.4755, 22.6727,
25.8029

■ 38.4195, 26.9908,
31.6240

■ 42.0315, 32.4594,
38.2397

■ 46.3524, 39.1545,
45.6813

■ 51.4196, 47.1455,
53.9785

■ 57.2679, 56.4964,
63.1593

Harmonies

Analogous

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



28.9769, 14.9362, 28.5014



29.3318, 14.9362, 9.7245



24.8697, 14.9362, 2.3066

Triad

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



29.3318, 14.9362, 9.7245



7.5055, 14.9362, 1.8700



10.9733, 14.9362, 75.9150

Complementary

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



29.3318, 14.9362, 9.7245



28.0791, 49.7061, 29.2484

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.



7.1199, 14.9362, 52.5608



29.3318, 14.9362, 9.7245



5.5567, 14.9362, 8.1514

Square

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



29.3318, 14.9362, 9.7245



11.6784, 14.9362, 0.4146



5.4400, 14.9362, 25.2229



17.0526, 14.9362, 77.6858

Rectangle

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



29.3318, 14.9362, 9.7245



20.3557, 14.9362, 0.8509



5.4400, 14.9362, 25.2229



9.4248, 14.9362, 69.8292

Sweetspot

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



29.3322, 14.9371, 9.7247



68.7092, 57.8798, 67.5602



21.1030, 9.4776, 64.3352



14.0957, 11.4375, 13.4229



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.



29.3322, 14.9371, 9.7247



43.5433, 22.1813, 14.0589



28.0080, 14.8488, 1.3912



12.6230, 12.5007, 13.9551



17.7763, 9.0468, 6.1261



1.1123, 0.5617, 0.5805

Inverse Universe

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



29.3322, 14.9371, 9.7247



43.5433, 22.1813, 14.0589



31.1206, 42.8204, 70.2430



12.6230, 12.5007, 13.9551



17.7763, 9.0468, 6.1261



1.1123, 0.5617, 0.5805

Previews

White Background



This preview shows how the XYZ color 29.3318, 14.9362, 9.7245 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 29.3318, 14.9362, 9.7245 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 29.3318, 14.9362, 9.7245

Background



This preview shows how black text looks on a background with the XYZ color 29.3318, 14.9362, 9.7245.



This preview shows how white text looks on a background with the XYZ color 29.3318, 14.9362,

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

29.3318, 14.9362, 9.7245

Protanopia

15.2281, 15.5555, 20.9388

Deuteranopia

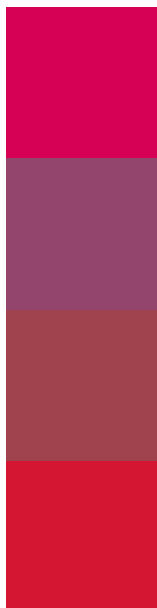
15.6816, 15.4364, 8.8096



Tritanopia

27.9841, 15.2454, 2.8342

Trichromacy



Original Color

29.3318, 14.9362, 9.7245

Protanomaly

16.9211, 11.5634, 15.8081

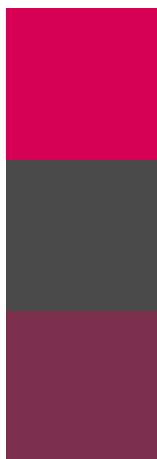
Deuteranomaly

18.0802, 12.1414, 8.5983

Tritanomaly

28.3250, 14.9590, 4.5264

Monochromacy



Original Color

29.3318, 14.9362, 9.7245

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

10.8491, 6.9431, 7.9761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3318, 14.9362, 9.7245 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(214, 0, 84)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 84)  
}
```

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(214, 0, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 84) }
```

Border

The CSS property to change the border of an element to XYZ 29.3318, 14.9362, 9.7245 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(214, 0, 84) }
```


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

```
.border{ border-color:rgb(214, 0, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 0, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 84);  
box-shadow:4px 4px 4px 4px rgb(214, 0, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.3318, 14.9362, 9.7245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 84) }
```

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

```
.background{ background-color: rgb(214, 0,  
84) }
```

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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