

Converting Colors

XYZ(30.4633, 15.5345, 9.0995)

Have a look what the booklet for
XYZ(30.4633, 15.5345, 9.0995)
contains.

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Color

**XYZ(30.3986, 15.4995,
9.1741)**

Conversions

Conversions Part 1

Format	Color
Hex	DA0051
RGB	218, 0, 81
RGB Percent	85%, 0%, 32%
CMY	0.1451, 0.9998, 0.6824
CMYK	0.00, 1.00, 0.63, 0.15
HSL	338°, 100%, 43%
HSV	338°, 100%, 85%
XYZ	30.3986, 15.4995, 9.1741
YIQ	74.4160, 103.9270, 71.4070

Conversions

Conversions Part 2

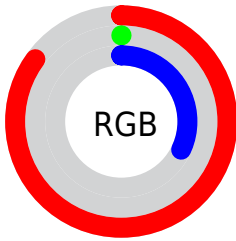
Format	Color
RYB	218, 0, 81
Decimal	14286929
CIELab	46.31, 73.35, 19.75
CIElCh	46, 75.965, 15.072
Yxy	15.4995, 0.5520, 0.2814
Android (android.graphics.Color)	4292477009 (0xFFDA0051)
YUV	74.4160, 3.2459, 125.9232
Hunter-Lab	39.3694, 68.9301, 13.7425

Details

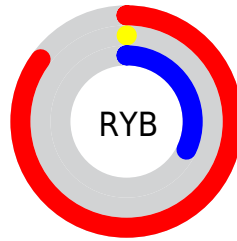
The XYZ color **30.3986, 15.4995, 9.1741** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **29.5906, 51.9503, 32.1527**, and the grayscale version is **6.5691, 6.9112, 7.5263**.

A 20% lighter version of the original color is **48.9254, 30.1840, 24.3665**, and **13.8515, 7.1021, 2.3911** is the 20% darker color. If you saturate the color by 10%, you get **30.3973, 15.4989, 9.1681**, and if you desaturate by 10%, it is **31.2493, 16.2942, 12.2540**.

Distribution



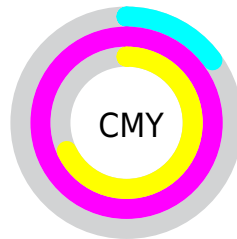
- Red (85%)
- Green (0%)
- Blue (32%)



- Red (85%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3986, 15.4995, 9.1741 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 30.3986, 15.4995, 9.1741 by changing the saturation by 10% instead.


 30.3986, 15.4995,
9.1741


 30.3986, 15.4995,
9.1741


295.6346,
226.3700, 194.9370


 20.2909, 9.1707,
4.7566


 59.6743, 35.7271,
24.8131


 12.7162, 4.8527,
2.0489


 79.5730, 50.3947,
36.8716

 7.3090, 2.1611,
0.5851


 103.4661, 68.6106,
52.3142

 3.7042, 0.6987,
0.0000

 131.7189, 90.7594,
71.5594

 1.5362, 0.0000,
0.0000

 164.6968,
117.2253, 95.0257

 0.3502, 0.0000,
0.0000

 202.7651,

 0.0000, 0.0000,

148.3928, 123.1317

0.0000

246.2893,
184.6462, 156.2960

■ 30.3986, 15.4995,
9.1741

■ 30.3986, 15.4995,
9.1741

■ 30.3973, 15.4989,
9.1681

■ 31.2493, 16.2942,
12.2540

■ 32.5293, 17.7720,
16.0168

■ 34.3490, 20.1455,
20.5259

■ 36.7722, 23.5343,
25.8271

■ 39.8531, 28.0394,
31.9615

■ 43.6396, 33.7494,
38.9671

■ 48.1749, 40.7440,
46.8790

■ 53.4987, 49.0960,
55.7304

■ 59.6476, 58.8726,
65.5524

Harmonies

Analogous

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



30.4117, 15.4995, 27.8805



30.3986, 15.4995, 9.1741



25.4405, 15.4995, 2.1017

Triad

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



30.3986, 15.4995, 9.1741



7.5357, 15.4995, 2.1176



11.7406, 15.4995, 80.4841

Complementary

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



30.3986, 15.4995, 9.1741



29.5906, 51.9503, 32.1527

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.



7.5498, 15.4995, 57.0281



30.3986, 15.4995, 9.1741



5.6537, 15.4995, 9.2319

Square

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



30.3986, 15.4995, 9.1741



11.7146, 15.4995, 0.4540



5.6580, 15.4995, 28.0017



18.2271, 15.4995, 80.4184

Rectangle

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



30.3986, 15.4995, 9.1741



20.6535, 15.4995, 0.7661



5.6580, 15.4995, 28.0017



10.0663, 15.4995, 74.6070

Sweetspot

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



30.3990, 15.5005, 9.1743



68.5120, 57.8009, 66.5219



22.5590, 10.1685, 67.1029



14.0496, 11.4191, 13.1800



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.



30.3990, 15.5005, 9.1743



43.2925, 22.0810, 12.7383



29.2714, 15.6212, 1.4738



13.2550, 13.1311, 14.6042



18.2591, 9.3047, 5.7447



1.2238, 0.6191, 0.5873

Inverse Universe

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



30.3990, 15.5005, 9.1743



43.2925, 22.0810, 12.7383



31.6308, 43.0131, 72.9644



13.2550, 13.1311, 14.6042



18.2591, 9.3047, 5.7447



1.2238, 0.6191, 0.5873

Previews

White Background



This preview shows how the XYZ color 30.3986, 15.4995, 9.1741 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 30.3986, 15.4995, 9.1741 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 30.3986, 15.4995, 9.1741

Background



This preview shows how black text looks on a background with the XYZ color 30.3986, 15.4995, 9.1741.



This preview shows how white text looks on a background with the XYZ color 30.3986, 15.4995,

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

30.3986, 15.4995, 9.1741

Protanopia

15.6963, 16.1455, 19.7419

Deuteranopia

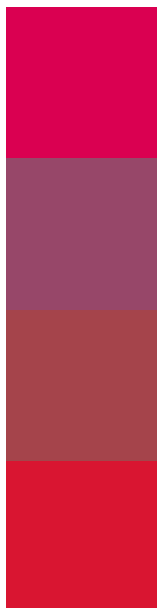
16.4191, 16.1342, 8.3797



Tritanopia

29.0971, 15.7804, 2.7406

Trichromacy



Original Color

30.3986, 15.4995, 9.1741

Protanomaly

17.5655, 12.1057, 14.7754

Deuteranomaly

18.8542, 12.6416, 8.1030

Tritanomaly

29.4378, 15.5098, 4.3479

Monochromacy



Original Color

30.3986, 15.4995, 9.1741

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

10.9603, 7.0045, 7.7955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3986, 15.4995, 9.1741 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(218, 0, 81)` looks like.

```
.text, #text, p{  
    color:rgb(218, 0, 81)  
}
```

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(218, 0, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 0, 81) }
```

Border

The CSS property to change the border of an element to XYZ 30.3986, 15.4995, 9.1741 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(218, 0, 81) }
```


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

```
.border{ border-color:rgb(218, 0, 81) }
```

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

Here you see how a box with a 4 pixel rgb(218, 0, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 0, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 0, 81);  
box-shadow:4px 4px 4px 4px rgb(218, 0, 81)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.3986, 15.4995, 9.1741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 0, 81) }
```

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

```
.background{ background-color: rgb(218, 0,  
81) }
```

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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