

Converting Colors

XYZ(29.0974, 13.3075, 8.1810)

Have a look what the booklet for
XYZ(29.0974, 13.3075, 8.1810)
contains.

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Color

**XYZ(30.2886, 15.4555,
8.5945)**

Conversions

Conversions Part 1

Format	Color
Hex	DA004E
RGB	218, 0, 78
RGB Percent	85%, 0%, 31%
CMY	0.1451, 0.9998, 0.6941
CMYK	0.00, 1.00, 0.64, 0.15
HSL	339°, 100%, 43%
HSV	339°, 100%, 85%
XYZ	30.2886, 15.4555, 8.5945
YIQ	74.0740, 104.8900, 70.4740

Conversions

Conversions Part 2

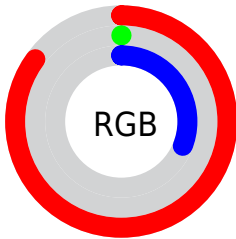
Format	Color
RYB	218, 0, 78
Decimal	14286926
CIELab	46.25, 73.19, 21.54
CIElCh	46, 76.297, 16.397
Yxy	15.4555, 0.5574, 0.2844
Android (android.graphics.Color)	4292477006 (0xFFDA004E)
YUV	74.0740, 1.9355, 126.2231
Hunter-Lab	39.3135, 68.7246, 14.5578

Details

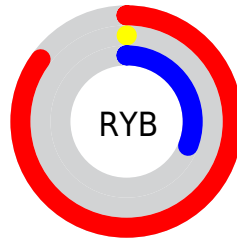
The XYZ color **30.2886, 15.4555, 8.5945** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **29.8091, 52.0377, 33.3027**, and the grayscale version is **6.5104, 6.8494, 7.4590**.

A 20% lighter version of the original color is **48.7269, 30.1046, 23.3213**, and **13.8209, 7.0899, 2.2302** is the 20% darker color. If you saturate the color by 10%, you get **30.2873, 15.4550, 8.5887**, and if you desaturate by 10%, it is **31.1292, 16.2462, 11.6210**.

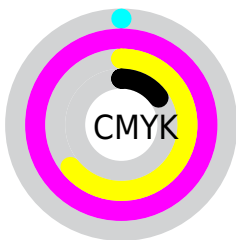
Distribution



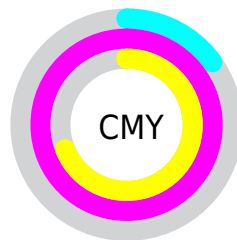
- Red (85%)
- Green (0%)
- Blue (31%)



- Red (85%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2886, 15.4555, 8.5945 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 30.2886, 15.4555, 8.5945 by changing the saturation by 10% instead.

 30.2886, 15.4555,
8.5945


 30.2886, 15.4555,
8.5945


295.1331,
226.1069, 190.4287


 20.2069, 9.1397,
4.3845


 59.5018, 35.6503,
23.6810


 12.6547, 4.8324,
1.8385


 79.3640, 50.2981,
35.3946

 7.2665, 2.1493,
0.4532


 103.2171, 68.4920,
50.4465

 3.6772, 0.6921,
0.0000

 131.4264, 90.6164,
69.2552

 1.5212, 0.0000,
0.0000

 164.3573,
117.0557, 92.2392

 0.3402, 0.0000,
0.0000

 202.3751,

 0.0000, 0.0000,

148.1943, 119.8171

0.0000

245.8453,
184.4166, 152.4074

■ 30.2886, 15.4555,
8.5945

■ 30.2886, 15.4555,
8.5945

■ 30.2873, 15.4550,
8.5887

■ 31.1292, 16.2462,
11.6210

■ 32.4028, 17.7214,
15.3501

■ 34.2202, 20.0939,
19.8471

■ 36.6456, 23.4836,
25.1601

■ 39.7336, 27.9915,
31.3321

■ 43.5325, 33.7065,
38.4026

■ 48.0856, 40.7083,
46.4085

■ 53.4330, 49.0697,
55.3844

■ 59.6116, 58.8582,
65.3630

Harmonies

Analogous

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



30.5455, 15.4555, 26.7586



30.2886, 15.4555, 8.5945



25.1375, 15.4555, 1.9227

Triad

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



30.2886, 15.4555, 8.5945



7.3560, 15.4555, 2.2291



11.9355, 15.4555, 81.3597

Complementary

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



30.2886, 15.4555, 8.5945



29.8091, 52.0377, 33.3027

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.



7.6319, 15.4555, 58.4888



30.2886, 15.4555, 8.5945



5.5664, 15.4555, 9.7205

Square

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



30.2886, 15.4555, 8.5945



11.4289, 15.4555, 0.4580



5.6497, 15.4555, 29.1283



18.5189, 15.4555, 80.0715

Rectangle

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



30.2886, 15.4555, 8.5945



20.3002, 15.4555, 0.6873



5.6497, 15.4555, 29.1283



10.2222, 15.4555, 75.7863

Sweetspot

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



30.2890, 15.4565, 8.5947



68.3837, 57.7496, 65.8464



23.1505, 10.4734, 67.1307



14.0197, 11.4071, 13.0222



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.



30.2890, 15.4565, 8.5947



43.1371, 22.0188, 11.9198



29.3556, 15.7895, 1.5019



13.2475, 13.1281, 14.5645



18.1922, 9.2779, 5.3919



1.2189, 0.6172, 0.5616

Inverse Universe

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



30.2890, 15.4565, 8.5947



43.1371, 22.0188, 11.9198



30.8400, 41.4314, 72.7009



13.2475, 13.1281, 14.5645



18.1922, 9.2779, 5.3919



1.2189, 0.6172, 0.5616

Previews

White Background



This preview shows how the XYZ color 30.2886, 15.4555, 8.5945 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 30.2886, 15.4555, 8.5945 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 30.2886, 15.4555, 8.5945

Background



This preview shows how black text looks on a background with the XYZ color 30.2886, 15.4555, 8.5945.



This preview shows how white text looks on a background with the XYZ color 30.2886, 15.4555,

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

30.2886, 15.4555, 8.5945

Protanopia

15.5318, 16.0945, 18.2075

Deuteranopia

16.2928, 16.0836, 7.7146



Tritanopia

29.3149, 15.8155, 2.6062

Trichromacy



Original Color

30.2886, 15.4555, 8.5945



Protanomaly

17.3647, 12.0254, 13.7178



Deuteranomaly

18.7539, 12.6015, 7.5748



Tritanomaly

29.3586, 15.4493, 4.0194

Monochromacy



Original Color

30.2886, 15.4555, 8.5945



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

10.8907, 6.9767, 7.4292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2886, 15.4555, 8.5945 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(218, 0, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 0, 78) }
```

Border

The CSS property to change the border of an element to XYZ 30.2886, 15.4555, 8.5945 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, 78) }
```


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

```
.border{ border-color:rgb(218, 0, 78) }
```

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, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 0, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 0, 78);  
box-shadow:4px 4px 4px 4px rgb(218, 0, 78)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.2886, 15.4555, 8.5945 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, 78) }
```

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

```
.background{ background-color: rgb(218, 0,  
78) }
```

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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