

Converting Colors

XYZ(30.2478, 15.3961, 10.3233)

Have a look what the booklet for
XYZ(30.2478, 15.3961, 10.3233)
contains.

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Color

**XYZ(30.3356, 15.4398,
10.3981)**

Conversions

Conversions Part 1

Format	Color
Hex	D90057
RGB	217, 0, 87
RGB Percent	85%, 0%, 34%
CMY	0.1490, 0.9998, 0.6588
CMYK	0.00, 1.00, 0.60, 0.15
HSL	336°, 100%, 43%
HSV	336°, 100%, 85%
XYZ	30.3356, 15.4398, 10.3981
YIQ	74.8010, 101.4050, 73.0610

Conversions

Conversions Part 2

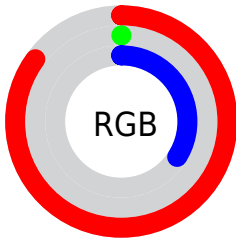
Format	Color
R_{YB}	217, 0, 87
Decimal	14221399
CIE _{Lab}	46.23, 73.46, 15.88
CIE _{LCh}	46, 75.157, 12.196
Yxy	15.4398, 0.5400, 0.2749
Android (android.graphics.Color)	4292411479 (0xFFD90057)
YUV	74.8010, 6.0141, 124.7085
Hunter-Lab	39.2935, 69.0429, 11.8158

Details

The XYZ color **30.3356, 15.4398, 10.3981** 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 **28.8455, 51.2387, 29.5042**, and the grayscale version is **6.6330, 6.9785, 7.5995**.

A 20% lighter version of the original color is **49.3401, 30.3499, 26.5502**, and **13.7625, 7.0444, 2.9198** is the 20% darker color. If you saturate the color by 10%, you get **30.3344, 15.4394, 10.3925**, and if you desaturate by 10%, it is **31.1976, 16.2359, 13.5468**.

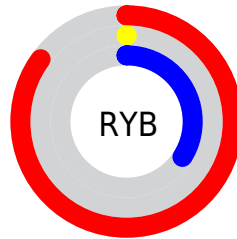
Distribution



Red (85%)

Green (0%)

Blue (34%)



Red (85%)

Yellow (0%)

Blue (34%)

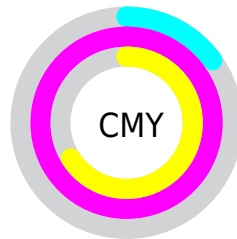


Cyan (0%)

Magenta (100%)

Yellow (60%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3356, 15.4398, 10.3981 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 30.3356, 15.4398, 10.3981 by changing the saturation by 10% instead.


 30.3356, 15.4398,
10.3981


 30.3356, 15.4398,
10.3981


295.3475,
226.0130, 204.0772


 20.2428, 9.1286,
5.5547

 59.5755, 35.6229,
27.1611


 12.6809, 4.8252,
2.5119


 79.4533, 50.2636,
39.9177


 7.2847, 2.1451,
0.8464


 103.3235, 68.4496,
56.1491

 3.6887, 0.6898,
0.0000

 131.5514, 90.5653,
76.2739

 1.5276, 0.0000,
0.0000

 164.5024,
116.9951, 100.7105

 0.3445, 0.0000,
0.0000

 202.5418,

 0.0000, 0.0000,

148.1234, 129.8776

0.0000

246.0351,
184.3346, 164.1936

■ 30.3356, 15.4398,
10.3981

■ 30.3356, 15.4398,
10.3981

■ 30.3344, 15.4394,
10.3925

■ 31.1976, 16.2359,
13.5468

■ 32.4762, 17.7043,
17.3299

■ 34.2802, 20.0554,
21.8056

■ 36.6717, 23.4072,
27.0153

■ 39.7039, 27.8593,
32.9961

■ 43.4233, 33.4991,
39.7821

■ 47.8720, 40.4050,
47.4049

■ 53.0888, 48.6488,
55.8944

■ 59.1093, 58.2969,
65.2785

Harmonies

Analogous

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



29.8315, 15.4398, 30.0921



30.3356, 15.4398, 10.3981



25.8421, 15.4398, 2.4959

Triad

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



30.3356, 15.4398, 10.3981



7.8512, 15.4398, 1.8714



11.2172, 15.4398, 77.8669

Complementary

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



30.3356, 15.4398, 10.3981



28.8455, 51.2387, 29.5042

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.



7.3021, 15.4398, 53.4546



30.3356, 15.4398, 10.3981



5.7849, 15.4398, 8.1577

Square

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



30.3356, 15.4398, 10.3981



12.2204, 15.4398, 0.4368



5.6186, 15.4398, 25.4333



17.4383, 15.4398, 80.3794

Rectangle

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



30.3356, 15.4398, 10.3981



21.2137, 15.4398, 0.9248



5.6186, 15.4398, 25.4333



9.6404, 15.4398, 71.4215

Sweetspot

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



30.3360, 15.4408, 10.3983



68.7887, 57.9116, 67.9788



21.2180, 9.4922, 66.3593



14.1144, 11.4450, 13.5210



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.



30.3360, 15.4408, 10.3983



43.6484, 22.2234, 14.6126



28.8338, 15.1884, 1.4132



13.2712, 13.1376, 14.6893



18.4119, 9.3658, 6.5491



1.2347, 0.6235, 0.6447

Inverse Universe

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



30.3360, 15.4408, 10.3983



43.6484, 22.2234, 14.6126



32.9299, 45.8201, 72.7540



13.2712, 13.1376, 14.6893



18.4119, 9.3658, 6.5491



1.2347, 0.6235, 0.6447

Previews

White Background



This preview shows how the XYZ color 30.3356, 15.4398, 10.3981 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 30.3356, 15.4398, 10.3981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

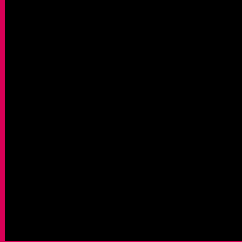
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.3356, 15.4398, 10.3981

Background



This preview shows how black text looks on a background with the XYZ color 30.3356, 15.4398, 10.3981.

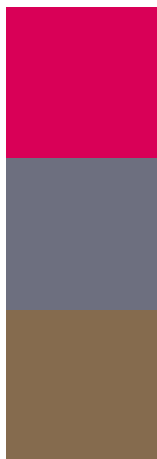


This preview shows how white text looks on a background with the XYZ color 30.3356, 15.4398,

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

30.3356, 15.4398, 10.3981

Protanopia

15.8219, 16.1524, 22.3625

Deuteranopia

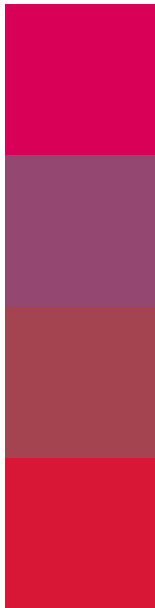
16.3057, 16.0520, 9.4467



Tritanopia

28.8999, 15.7589, 2.9574

Trichromacy



Original Color

30.3356, 15.4398, 10.3981

Protanomaly

17.3906, 11.9722, 16.7235

Deuteranomaly

18.8622, 12.6208, 9.2265

Tritanomaly

29.2484, 15.4298, 4.8048

Monochromacy



Original Color

30.3356, 15.4398, 10.3981

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

11.2206, 7.1904, 8.1936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3356, 15.4398, 10.3981 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(217, 0, 87)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 87)  
}
```

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(217, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 87) }
```

Border

The CSS property to change the border of an element to XYZ 30.3356, 15.4398, 10.3981 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(217, 0, 87) }
```


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

```
.border{ border-color:rgb(217, 0, 87) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 87);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.3356, 15.4398, 10.3981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 87) }
```

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

```
.background{ background-color: rgb(217, 0,  
87) }
```

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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