

Converting Colors

XYZ(30.8510, 15.6374, 13.5002)

Have a look what the booklet for
XYZ(30.8510, 15.6374, 13.5002)
contains.

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Color

**XYZ(30.9155, 15.6718,
13.4521)**

Conversions

Conversions Part 1

Format	Color
Hex	D90064
RGB	217, 0, 100
RGB Percent	85%, 0%, 39%
CMY	0.1490, 0.9998, 0.6078
CMYK	0.00, 1.00, 0.54, 0.15
HSL	332°, 100%, 43%
HSV	332°, 100%, 85%
XYZ	30.9155, 15.6718, 13.4521
YIQ	76.2830, 97.2320, 77.1040

Conversions

Conversions Part 2

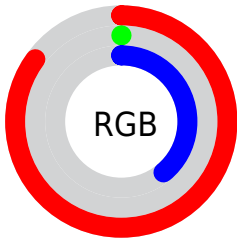
Format	Color
R_{YB}	217, 0, 100
Decimal	14221412
CIE Lab	46.54, 74.29, 8.22
CIE LCh	47, 74.741, 6.313
Yxy	15.6718, 0.5149, 0.2610
Android (android.graphics.Color)	4292411492 (0xFFD90064)
YUV	76.2830, 11.6925, 123.4088
Hunter-Lab	39.5876, 70.1192, 7.5643

Details

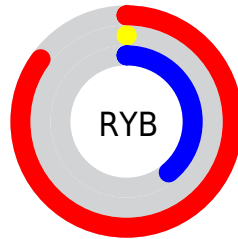
The XYZ color **30.9155, 15.6718, 13.4521** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **28.0269, 50.9112, 25.1933**, and the grayscale version is **6.8927, 7.2517, 7.8971**.

A 20% lighter version of the original color is **50.4012, 30.7743, 32.1378**, and **14.1834, 7.2349, 4.1390** is the 20% darker color. If you saturate the color by 10%, you get **30.9142, 15.6713, 13.4458**, and if you desaturate by 10%, it is **31.8053, 16.4790, 16.7470**.

Distribution



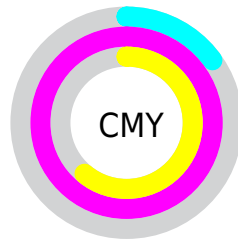
- Red (85%)
- Green (0%)
- Blue (39%)



- Red (85%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9155, 15.6718, 13.4521 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 30.9155, 15.6718, 13.4521 by changing the saturation by 10% instead.


 30.9155, 15.6718,
13.4521


 30.9155, 15.6718,
13.4521

297.9827,
227.3972, 225.1038


 20.6860, 9.2922,
7.6062


 60.4838, 36.0275,
32.8167


 13.0058, 4.9323,
3.7599


 80.5532, 50.7724,
47.1724


 7.5096, 2.2076,
1.4946


 104.6335, 69.0745,
65.2019

 3.8319, 0.7241,
0.2139

 133.0897, 91.3182,
87.3236

 1.6075, 0.0000,
0.0000

 166.2874,
117.8880, 113.9561

 0.3973, 0.0000,
0.0000

 204.5919,

 0.0000, 0.0000,

149.1681, 145.5180

0.0000

248.3686,
185.5431, 182.4277

■ 30.9155, 15.6718,
13.4521

■ 30.9155, 15.6718,
13.4521

■ 30.9142, 15.6713,
13.4458

■ 31.8053, 16.4790,
16.7470

■ 33.0959, 17.9522,
20.5929

■ 34.8946, 20.3013,
25.0407

■ 37.2624, 23.6437,
30.1253

■ 40.2512, 28.0786,
35.8777

■ 43.9065, 33.6928,
42.3260

■ 48.2695, 40.5645,
49.4967

■ 53.3777, 48.7650,
57.4145

■ 59.2661, 58.3603,
66.1026

Harmonies

Analogous

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



29.3660, 15.6718, 35.6570



30.9155, 15.6718, 13.4521



27.2757, 15.6718, 3.4961

Triad

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



30.9155, 15.6718, 13.4521



8.6972, 15.6718, 1.4682



10.4519, 15.6718, 74.5471

Complementary

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



30.9155, 15.6718, 13.4521



28.0269, 50.9112, 25.1933

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.



6.9764, 15.6718, 47.8823



30.9155, 15.6718, 13.4521



6.1866, 15.6718, 6.4099

Square

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



30.9155, 15.6718, 13.4521



13.5743, 15.6718, 0.4163



5.6629, 15.6718, 21.2705



16.2999, 15.6718, 82.2094

Rectangle

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



30.9155, 15.6718, 13.4521



22.8786, 15.6718, 1.2938



5.6629, 15.6718, 21.2705



9.0262, 15.6718, 66.8909

Sweetspot

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



30.9159, 15.6727, 13.4523



69.3651, 58.1421, 71.0142



19.6947, 8.7069, 66.2879



14.2498, 11.4991, 14.2340



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.



30.9159, 15.6727, 13.4523



44.4794, 22.5557, 18.9882



28.6944, 14.9097, 1.3668



13.3043, 13.1508, 14.8639



18.7660, 9.5074, 8.4138



1.2589, 0.6332, 0.7725

Inverse Universe

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



30.9159, 15.6727, 13.4523



44.4794, 22.5557, 18.9882



35.5142, 50.9886, 73.6153



13.3043, 13.1508, 14.8639



18.7660, 9.5074, 8.4138



1.2589, 0.6332, 0.7725

Previews

White Background



This preview shows how the XYZ color 30.9155, 15.6718, 13.4521 looks on a white background.

Color Contrast Check

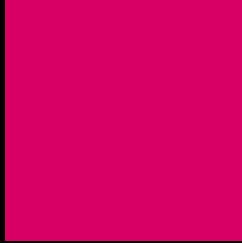
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.9155, 15.6718, 13.4521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

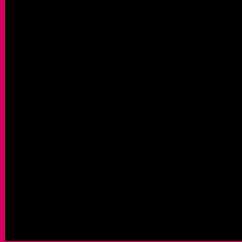
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.9155, 15.6718, 13.4521

Background



This preview shows how black text looks on a background with the XYZ color 30.9155, 15.6718, 13.4521.



This preview shows how white text looks on a background with the XYZ color 30.9155, 15.6718,

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

30.9155, 15.6718, 13.4521

Protanopia

16.5042, 16.3563, 29.0753

Deuteranopia

16.4568, 16.2263, 12.1621



Tritanopia

28.8566, 15.9602, 3.4792

Trichromacy



Original Color

30.9155, 15.6718, 13.4521

Protanomaly

17.8927, 12.1112, 22.1635

Deuteranomaly

19.0488, 12.7458, 12.0459

Tritanomaly

29.2143, 15.4793, 5.8629

Monochromacy



Original Color

30.9155, 15.6718, 13.4521

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.4490, 7.2818, 9.3964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9155, 15.6718, 13.4521 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 100) }
```

Border

The CSS property to change the border of an element to XYZ 30.9155, 15.6718, 13.4521 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, 100) }
```


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

```
.border{ border-color:rgb(217, 0, 100) }
```

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, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 100);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9155, 15.6718, 13.4521 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, 100) }
```

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

```
.background{ background-color: rgb(217, 0,  
100) }
```

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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