

Converting Colors

XYZ(30.7022, 15.6600, 9.0067)

Have a look what the booklet for
XYZ(30.7022, 15.6600, 9.0067)
contains.

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Color

**XYZ(30.6614, 15.6393,
8.9921)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0050
RGB	219, 0, 80
RGB Percent	86%, 0%, 31%
CMY	0.1412, 0.9998, 0.6863
CMYK	0.00, 1.00, 0.63, 0.14
HSL	338°, 100%, 43%
HSV	338°, 100%, 86%
XYZ	30.6614, 15.6393, 8.9921
YIQ	74.6010, 104.8440, 71.3080

Conversions

Conversions Part 2

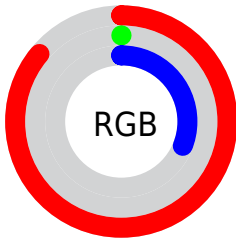
Format	Color
R_{YB}	219, 0, 80
Decimal	14352464
CIE Lab	46.50, 73.53, 20.66
CIE LCh	46, 76.377, 15.693
Yxy	15.6393, 0.5545, 0.2828
Android (android.graphics.Color)	4292542544 (0xFFDB0050)
YUV	74.6010, 2.6617, 126.6379
Hunter-Lab	39.5466, 69.1889, 14.2012

Details

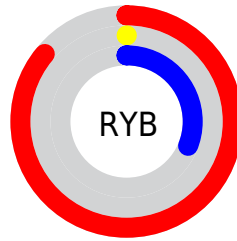
The XYZ color **30.6614, 15.6393, 8.9921** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **29.9958, 52.5286, 33.0032**, and the grayscale version is **6.6033, 6.9472, 7.5655**.

A 20% lighter version of the original color is **48.8586, 30.1573, 24.0147**, and **14.0442, 7.2015, 2.4001** is the 20% darker color. If you saturate the color by 10%, you get **30.6600, 15.6387, 8.9859**, and if you desaturate by 10%, it is **31.5153, 16.4383, 12.0789**.

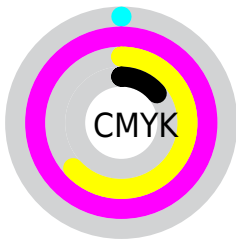
Distribution



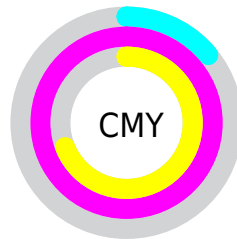
- Red (86%)
- Green (0%)
- Blue (31%)



- Red (86%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6614, 15.6393, 8.9921 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 30.6614, 15.6393, 8.9921 by changing the saturation by 10% instead.


 30.6614, 15.6393,
8.9921


 30.6614, 15.6393,
8.9921

296.8302,
227.2038, 193.5349


 20.4917, 9.2693,
4.6393


 60.0861, 35.9709,
24.4591


 12.8633, 4.9172,
1.9822


 80.0717, 50.7012,
36.4104

 7.4108, 2.1988,
0.5443


 104.0601, 68.9871,
51.7316

 3.7689, 0.7193,
0.0000

 132.4166, 91.2130,
70.8412

 1.5723, 0.0000,
0.0000

 165.5065,
117.7632, 94.1578

 0.3742, 0.0000,
0.0000

 203.6951,

 0.0000, 0.0000,

149.0221, 122.0999

0.0000

247.3479,
185.3742, 155.0861

■ 30.6614, 15.6393,
8.9921

■ 30.6614, 15.6393,
8.9921

■ 30.6600, 15.6387,
8.9859

■ 31.5153, 16.4383,
12.0789

■ 32.8049, 17.9288,
15.8651

■ 34.6418, 20.3253,
20.4156

■ 37.0908, 23.7488,
25.7776

■ 40.2069, 28.3015,
31.9939

■ 44.0387, 34.0732,
39.1033

■ 48.6299, 41.1445,
47.1422

■ 54.0208, 49.5890,
56.1448

■ 60.2486, 59.4747,
66.1433

Harmonies

Analogous

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



30.7899, 15.6393, 27.6352



30.6614, 15.6393, 8.9921



25.5605, 15.6393, 2.0376

Triad

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



30.6614, 15.6393, 8.9921



7.5285, 15.6393, 2.1918



11.9541, 15.6393, 81.7303

Complementary

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



30.6614, 15.6393, 8.9921



29.9958, 52.5286, 33.0032

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.



7.6668, 15.6393, 58.3058



30.6614, 15.6393, 8.9921



5.6710, 15.6393, 9.5564

Square

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



30.6614, 15.6393, 8.9921



11.7004, 15.6393, 0.4641



5.7127, 15.6393, 28.8205



18.5535, 15.6393, 81.0868

Rectangle

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



30.6614, 15.6393, 8.9921



20.7000, 15.6393, 0.7384



5.7127, 15.6393, 28.8205



10.2441, 15.6393, 75.9352

Sweetspot

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



30.6618, 15.6403, 8.9923



68.4535, 57.7775, 66.2137



23.3871, 10.5803, 67.8270



14.0359, 11.4136, 13.1080



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.



30.6618, 15.6403, 8.9923



43.2208, 22.0523, 12.3609



29.6589, 15.9508, 1.5171



13.2516, 13.1297, 14.5861



18.2283, 9.2923, 5.5821



1.2215, 0.6182, 0.5755

Inverse Universe

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



30.6618, 15.6403, 8.9923



43.2208, 22.0523, 12.3609



31.1583, 41.8578, 73.4546



13.2516, 13.1297, 14.5861



18.2283, 9.2923, 5.5821



1.2215, 0.6182, 0.5755

Previews

White Background



This preview shows how the XYZ color 30.6614, 15.6393, 8.9921 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 30.6614, 15.6393, 8.9921 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 30.6614, 15.6393, 8.9921

Background



This preview shows how black text looks on a background with the XYZ color 30.6614, 15.6393, 8.9921.



This preview shows how white text looks on a background with the XYZ color 30.6614, 15.6393,

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

30.6614, 15.6393, 8.9921

Protanopia

15.8151, 16.3834, 19.1584

Deuteranopia

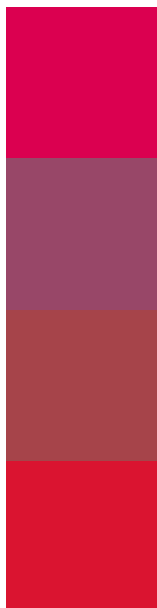
16.3549, 16.1085, 8.0416



Tritanopia

29.3536, 15.8734, 2.6792

Trichromacy



Original Color

30.6614, 15.6393, 8.9921

Protanomaly

17.7008, 12.1814, 14.5150

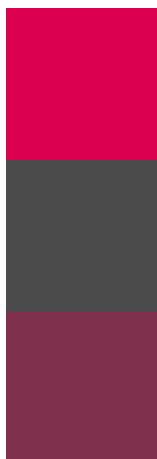
Deuteranomaly

19.0290, 12.7356, 7.9338

Tritanomaly

29.6971, 15.6191, 4.2459

Monochromacy



Original Color

30.6614, 15.6393, 8.9921

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

11.1489, 7.1618, 7.8159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6614, 15.6393, 8.9921 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(219, 0, 80)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 80)  
}
```

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(219, 0, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 80) }
```

Border

The CSS property to change the border of an element to XYZ 30.6614, 15.6393, 8.9921 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(219, 0, 80) }
```


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

```
.border{ border-color:rgb(219, 0, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 0, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 80);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 80)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.6614, 15.6393, 8.9921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 80) }
```

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

```
.background{ background-color: rgb(219, 0,  
80) }
```

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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