

Converting Colors

XYZ(31.4928, 16.0240, 11.0112)

Have a look what the booklet for
XYZ(31.4928, 16.0240, 11.0112)
contains.

XYZ(31.3607, 15.9538, 11.0994)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.3607, 15.9538,
11.0994)**

Conversions

Conversions Part 1

Format	Color
Hex	DC005A
RGB	220, 0, 90
RGB Percent	86%, 0%, 35%
CMY	0.1373, 0.9998, 0.6471
CMYK	0.00, 1.00, 0.59, 0.14
HSL	335°, 100%, 43%
HSV	335°, 100%, 86%
XYZ	31.3607, 15.9538, 11.0994
YIQ	76.0400, 102.2300, 74.6300

Conversions

Conversions Part 2

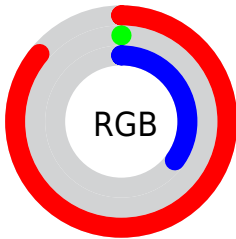
Format	Color
RYB	220, 0, 90
Decimal	14418010
CIELab	46.91, 74.32, 15.04
CIELCh	47, 75.831, 11.443
Yxy	15.9538, 0.5369, 0.2731
Android (android.graphics.Color)	4292608090 (0xFFDC005A)
YUV	76.0400, 6.8823, 126.2529
Hunter-Lab	39.9422, 70.2507, 11.4837

Details

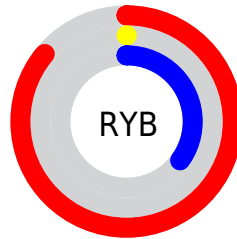
The XYZ color **31.3607, 15.9538, 11.0994** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **29.6260, 52.7995, 29.7647**, and the grayscale version is **6.8560, 7.2131, 7.8551**.

A 20% lighter version of the original color is **49.7147, 30.6356, 28.1040**, and **14.3783, 7.3576, 3.1450** is the 20% darker color. If you saturate the color by 10%, you get **31.3595, 15.9533, 11.0934**, and if you desaturate by 10%, it is **32.2512, 16.7705, 14.3700**.

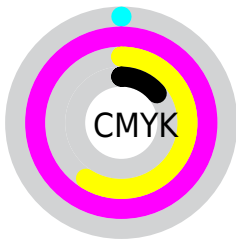
Distribution



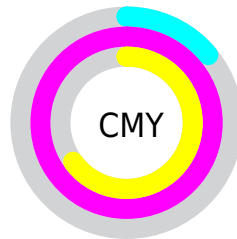
- Red (86%)
- Green (0%)
- Blue (35%)



- Red (86%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3607, 15.9538, 11.0994 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 31.3607, 15.9538, 11.0994 by changing the saturation by 10% instead.


 31.3607, 15.9538,
11.0994


 31.3607, 15.9538,
11.0994


299.9939,
229.0689, 209.1101

 21.0268, 9.4915,
6.0187


 61.1795, 36.5180,
28.4833


 13.2562, 5.0631,
2.7875


 81.3951, 51.3886,
41.6236


 7.6834, 2.2843,
0.9872


 105.6354, 69.8308,
58.2875

 3.9431, 0.7654,
0.0000

 134.2657, 92.2290,
78.8935

 1.6700, 0.0000,
0.0000

 167.6514,
118.9674, 103.8603

 0.4374, 0.0000,
0.0000

 206.1577,

 0.0000, 0.0000,

150.4307, 133.6062

0.0000

250.1501,
187.0031, 168.5500

■ 31.3607, 15.9538,
11.0994

■ 31.3607, 15.9538,
11.0994

■ 31.3595, 15.9533,
11.0934

■ 32.2512, 16.7705,
14.3700

■ 33.5702, 18.2814,
18.2841

■ 35.4290, 20.7025,
22.9004

■ 37.8919, 24.1558,
28.2609

■ 41.0135, 28.7443,
34.4029

■ 44.8419, 34.5582,
41.3606

■ 49.4206, 41.6787,
49.1662

■ 54.7893, 50.1800,
57.8495

■ 60.9850, 60.1306,
67.4390

Harmonies

Analogous

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



30.7022, 15.9538, 31.7359



31.3607, 15.9538, 11.0994



26.8377, 15.9538, 2.6944

Triad

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



31.3607, 15.9538, 11.0994



8.2063, 15.9538, 1.8730



11.4649, 15.9538, 79.8530

Complementary

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



31.3607, 15.9538, 11.0994



29.6260, 52.7995, 29.7647

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.



7.4872, 15.9538, 54.3616



31.3607, 15.9538, 11.0994



6.0187, 15.9538, 8.1650

Square

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



31.3607, 15.9538, 11.0994



12.7773, 15.9538, 0.4588



5.8007, 15.9538, 25.6474



17.8299, 15.9538, 83.1315

Rectangle

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



31.3607, 15.9538, 11.0994



22.0936, 15.9538, 0.9988



5.8007, 15.9538, 25.6474



9.8593, 15.9538, 73.0397

Sweetspot

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



31.3611, 15.9548, 11.0996



68.8663, 57.9426, 68.3877



21.8739, 9.7848, 68.4457



14.1326, 11.4523, 13.6168



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.



31.3611, 15.9548, 11.0996



43.7533, 22.2653, 15.1650



29.7378, 15.6606, 1.4567



13.2757, 13.1394, 14.7130



18.4568, 9.3838, 6.7855



1.2378, 0.6248, 0.6613

Inverse Universe

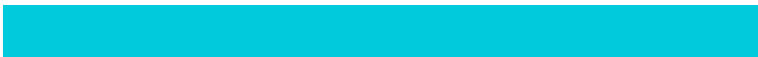
The Inverse Universe completely reimagines the original color for something new.



31.3611, 15.9548, 11.0996



43.7533, 22.2653, 15.1650



33.9620, 47.2540, 75.0409



13.2757, 13.1394, 14.7130



18.4568, 9.3838, 6.7855



1.2378, 0.6248, 0.6613

Previews

White Background



This preview shows how the XYZ color 31.3607, 15.9538, 11.0994 looks on a white background.

Color Contrast Check

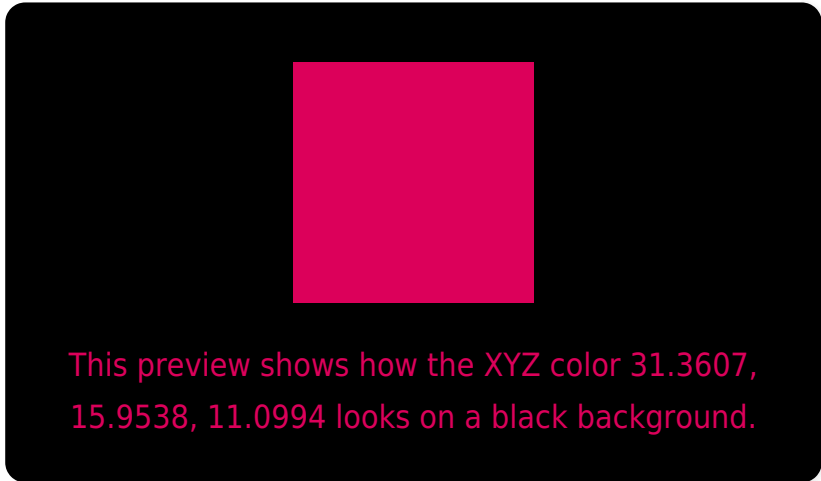
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 31.3607, 15.9538, 11.0994

Background



This preview shows how black text looks on a background with the XYZ color 31.3607, 15.9538, 11.0994.

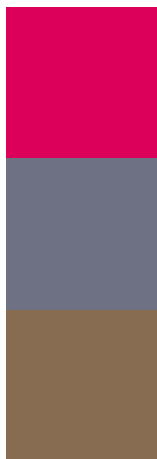


This preview shows how white text looks on a background with the XYZ color 31.3607, 15.9538,

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

31.3607, 15.9538, 11.0994

Protanopia

16.3213, 16.5420, 23.8054

Deuteranopia

16.8394, 16.4701, 10.0761



Tritanopia

29.8331, 16.2827, 3.0839

Trichromacy



Original Color

31.3607, 15.9538, 11.0994

Protanomaly

17.9833, 12.2515, 17.9399

Deuteranomaly

19.4542, 13.0033, 9.8720

Tritanomaly

30.1857, 15.9392, 4.9756

Monochromacy



Original Color

31.3607, 15.9538, 11.0994

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.4442, 7.2972, 8.5899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3607, 15.9538, 11.0994 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(220, 0, 90)` looks like.

```
.text, #text, p{  
    color:rgb(220, 0, 90)  
}
```

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(220, 0, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 0, 90) }
```

Border

The CSS property to change the border of an element to XYZ 31.3607, 15.9538, 11.0994 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(220, 0, 90) }
```


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

```
.border{ border-color:rgb(220, 0, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 0, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(220, 0, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.3607, 15.9538, 11.0994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 0, 90) }
```

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

```
.background{ background-color: rgb(220, 0,  
90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor