

Converting Colors

XYZ(30.6913, 15.5735, 12.6592)

Have a look what the booklet for
XYZ(30.6913, 15.5735, 12.6592)
contains.

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Color

**XYZ(30.7729, 15.6148,
12.7013)**

Conversions

Conversions Part 1

Format	Color
Hex	D90061
RGB	217, 0, 97
RGB Percent	85%, 0%, 38%
CMY	0.1490, 0.9998, 0.6196
CMYK	0.00, 1.00, 0.55, 0.15
HSL	333°, 100%, 43%
HSV	333°, 100%, 85%
XYZ	30.7729, 15.6148, 12.7013
YIQ	75.9410, 98.1950, 76.1710

Conversions

Conversions Part 2

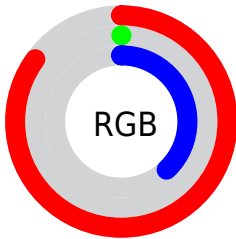
Format	Color
R_{YB}	217, 0, 97
Decimal	14221409
CIE _{Lab}	46.47, 74.09, 9.98
CIE _{LCh}	46, 74.754, 7.669
Yxy	15.6148, 0.5208, 0.2643
Android (android.graphics.Color)	4292411489 (0xFFD90061)
YUV	75.9410, 10.3821, 123.7087
Hunter-Lab	39.5156, 69.8553, 8.6036

Details

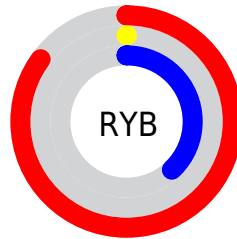
The XYZ color **30.7729, 15.6148, 12.7013** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **28.2064, 50.9829, 26.1386**, and the grayscale version is **6.8326, 7.1885, 7.8282**.

A 20% lighter version of the original color is **50.1626, 30.6789, 30.8815**, and **14.1151, 7.2076, 3.7792** is the 20% darker color. If you saturate the color by 10%, you get **30.7715, 15.6142, 12.6947**, and if you desaturate by 10%, it is **31.6577, 16.4201, 15.9696**.

Distribution



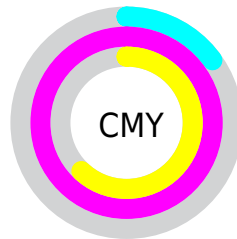
- Red (85%)
- Green (0%)
- Blue (38%)



- Red (85%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7729, 15.6148, 12.7013 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 30.7729, 15.6148, 12.7013 by changing the saturation by 10% instead.


 30.7729, 15.6148,
12.7013


 30.7729, 15.6148,
12.7013


297.3363,
227.0579, 220.1345


 20.5770, 9.2520,
7.0949


 60.2606, 35.9282,
31.4494


 12.9258, 4.9059,
3.4422


 80.2831, 50.6475,
45.4281


 7.4541, 2.1922,
1.3246


 104.3118, 68.9212,
63.0347

 3.7965, 0.7157,
0.0818

 132.7121, 91.1335,
84.6877

 1.5877, 0.0000,
0.0000

 165.8494,
117.6690, 110.8057

 0.3844, 0.0000,
0.0000

 204.0889,

 0.0000, 0.0000,

148.9119, 141.8071

0.0000

247.7961,
185.2468, 178.1105

■ 30.7729, 15.6148,
12.7013

■ 30.7729, 15.6148,
12.7013

■ 30.7715, 15.6142,
12.6947

■ 31.6577, 16.4201,
15.9696

■ 32.9469, 17.8928,
19.8081

■ 34.7481, 20.2430,
24.2691

■ 37.1227, 23.5882,
29.3888

■ 40.1226, 28.0276,
35.1994

■ 43.7937, 33.6482,
41.7305

■ 48.1773, 40.5283,
49.0096

■ 53.3113, 48.7392,
57.0623

■ 59.2306, 58.3470,
65.9130

Harmonies

Analogous

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



29.4643, 15.6148, 34.3129



30.7729, 15.6148, 12.7013



26.9344, 15.6148, 3.2462

Triad

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



30.7729, 15.6148, 12.7013



8.4963, 15.6148, 1.5553



10.6225, 15.6148, 75.2763

Complementary

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



30.7729, 15.6148, 12.7013



28.2064, 50.9829, 26.1386

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.



7.0493, 15.6148, 49.1114



30.7729, 15.6148, 12.7013



6.0919, 15.6148, 6.7859

Square

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



30.7729, 15.6148, 12.7013



13.2520, 15.6148, 0.4213



5.6520, 15.6148, 22.1777



16.5530, 15.6148, 81.7590

Rectangle

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



30.7729, 15.6148, 12.7013



22.4828, 15.6148, 1.2020



5.6520, 15.6148, 22.1777



9.1633, 15.6148, 67.8921

Sweetspot

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



30.7733, 15.6157, 12.7015



69.2305, 58.0883, 70.3057



20.1837, 8.9591, 66.3107



14.2181, 11.4865, 14.0672



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.



30.7733, 15.6157, 12.7015



44.2747, 22.4739, 17.9105



28.7338, 14.9887, 1.3801



13.2967, 13.1478, 14.8234



18.6791, 9.4727, 7.9560



1.2531, 0.6309, 0.7417

Inverse Universe

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



30.7733, 15.6157, 12.7015



44.2747, 22.4739, 17.9105



34.6328, 49.2258, 73.3214



13.2967, 13.1478, 14.8234



18.6791, 9.4727, 7.9560



1.2531, 0.6309, 0.7417

Previews

White Background



This preview shows how the XYZ color 30.7729, 15.6148, 12.7013 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 30.7729, 15.6148, 12.7013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

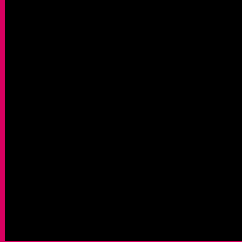
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.7729, 15.6148, 12.7013

Background



This preview shows how black text looks on a background with the XYZ color 30.7729, 15.6148, 12.7013.



This preview shows how white text looks on a background with the XYZ color 30.7729, 15.6148,

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

30.7729, 15.6148, 12.7013

Protanopia

16.3179, 16.2952, 27.4846

Deuteranopia

16.4841, 16.2550, 11.5012



Tritanopia

29.0997, 16.0381, 3.3957

Trichromacy



Original Color

30.7729, 15.6148, 12.7013



Protanomaly

17.8090, 12.0981, 20.7986



Deuteranomaly

18.9167, 12.6930, 11.3505



Tritanomaly

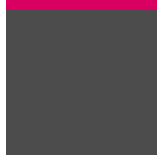
29.4560, 15.6100, 5.5982

Monochromacy



Original Color

30.7729, 15.6148, 12.7013



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.4096, 7.2660, 9.1886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7729, 15.6148, 12.7013 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 97) }
```

Border

The CSS property to change the border of an element to XYZ 30.7729, 15.6148, 12.7013 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, 97) }
```


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

```
.border{ border-color:rgb(217, 0, 97) }
```

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, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 97);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 97)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.7729, 15.6148, 12.7013 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, 97) }
```

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

```
.background{ background-color: rgb(217, 0,  
97) }
```

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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