

Converting Colors

XYZ(30.9016, 16.6959, 21.4615)

Have a look what the booklet for
XYZ(30.9016, 16.6959, 21.4615)
contains.

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Color

**XYZ(30.8884, 16.7176,
21.3375)**

Conversions

Conversions Part 1

Format	Color
Hex	D12A7E
RGB	209, 42, 126
RGB Percent	82%, 16%, 49%
CMY	0.1804, 0.8352, 0.5059
CMYK	0.00, 0.80, 0.40, 0.18
HSL	330°, 67%, 49%
HSV	330°, 80%, 82%
XYZ	30.8884, 16.7176, 21.3375
YIQ	101.5090, 72.5680, 61.5280

Conversions

Conversions Part 2

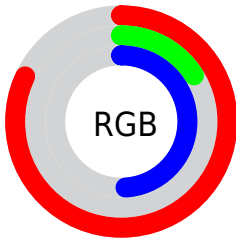
Format	Color
R_{YB}	209, 42, 126
Decimal	13707902
CIE _{Lab}	47.90, 68.32, -5.99
CIE _{LCh}	48, 68.582, 354.987
Yxy	16.7176, 0.4480, 0.2425
Android (android.graphics.Color)	4291897982 (0xFFD12A7E)
YUV	101.5090, 12.0741, 94.2696
Hunter-Lab	40.8872, 63.2961, -2.3202

Details

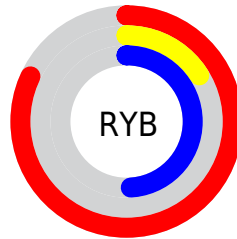
The XYZ color **30.8884, 16.7176, 21.3375** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **27.4583, 47.5745, 27.1418**, and the grayscale version is **12.4594, 13.1082, 14.2749**.

A 20% lighter version of the original color is **54.5307, 34.8227, 46.4952**, and **13.7340, 6.9254, 7.6340** is the 20% darker color. If you saturate the color by 10%, you get **29.6946, 15.3478, 17.8023**, and if you desaturate by 10%, it is **32.5388, 18.8893, 25.3686**.

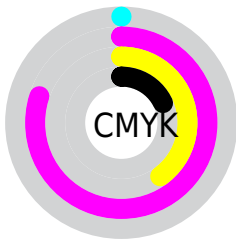
Distribution



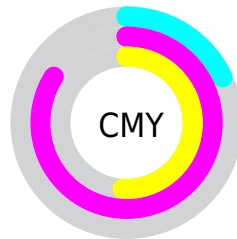
- Red (82%)
- Green (16%)
- Blue (49%)



- Red (82%)
- Yellow (16%)
- Blue (49%)



- Cyan (0%)
- Magenta (80%)
- Yellow (40%)
- Black (18%)





- Cyan (18%)
- Magenta (84%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8884, 16.7176, 21.3375 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 30.8884, 16.7176, 21.3375 by changing the saturation by 10% instead.


 30.8884, 16.7176,
21.3375

 30.8884, 16.7176,
21.3375

297.8599,
233.5397, 271.9064


 20.6653, 10.0334,
13.1773


 60.4414, 37.8396,
46.5366


 12.9906, 5.4211,
7.4186


 80.5019, 53.0461,
64.4126


 7.4990, 2.4964,
3.6428


 104.5724, 71.8622,
86.3642

 3.8252, 0.8748,
1.4315

 133.0180, 94.6722,
112.8101

 1.6037, 0.0000,
0.1661

 166.2042,
121.8606, 144.1687

 0.3948, 0.0000,
0.0000

204.4964,

 0.0000, 0.0000,

153.8117, 180.8586

0.0000

248.2598,
190.9099, 223.2983

■ 30.8884, 16.7176,
21.3375

■ 30.8884, 16.7176,
21.3375

■ 29.6946, 15.3478,
17.8023

■ 32.5388, 18.8893,
25.3686

■ 28.8582, 14.5845,
14.7191

■ 34.6993, 21.9665,
29.9231


■ 28.8504, 14.5777,
14.6897


■ 37.4168, 26.0400,
35.0263


■ 40.7323, 31.1887,
40.7011

■ 44.6827, 37.4836,
46.9686

 49.3017, 44.9894,
53.8488

 54.6207, 53.7660,
61.3602

 60.6690, 63.8695,
69.5208

 67.4741, 75.3524,
78.3476

Harmonies

Analogous

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



27.7277, 16.7176, 45.5011



30.8884, 16.7176, 21.3375



29.2584, 16.7176, 7.2886

Triad

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



30.8884, 16.7176, 21.3375



11.3848, 16.7176, 1.5064



10.0061, 16.7176, 62.6483

Complementary

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



30.8884, 16.7176, 21.3375



27.4583, 47.5745, 27.1418

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.



7.3767, 16.7176, 36.6676



30.8884, 16.7176, 21.3375



8.0162, 16.7176, 4.8356

Square

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



30.8884, 16.7176, 21.3375



16.9495, 16.7176, 0.9981



6.7562, 16.7176, 15.3909



14.8748, 16.7176, 77.4025

Rectangle

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



30.8884, 16.7176, 21.3375



25.8493, 16.7176, 3.1957



6.7562, 16.7176, 15.3909



8.8865, 16.7176, 54.3590

Sweetspot

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



30.8889, 16.7185, 21.3378



74.0208, 65.1680, 79.6122



20.4659, 10.4509, 61.2602



15.2945, 13.0585, 16.2168



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.



30.8889, 16.7185, 21.3378



45.6068, 23.1839, 24.3791



27.5927, 15.4001, 3.9803



12.0532, 11.9060, 13.5560



17.8381, 9.0081, 9.3197



1.0374, 0.5197, 0.7320

Inverse Universe

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



30.8889, 16.7185, 21.3378



45.6068, 23.1839, 24.3791



34.9228, 50.5603, 66.4493



12.0532, 11.9060, 13.5560



17.8381, 9.0081, 9.3197



1.0374, 0.5197, 0.7320

Previews

White Background



This preview shows how the XYZ color 30.8884, 16.7176, 21.3375 looks on a white background.

Color Contrast Check

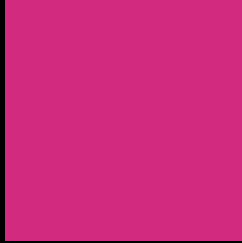
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8884, 16.7176, 21.3375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

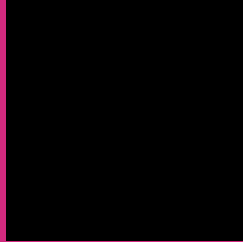
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.8884, 16.7176, 21.3375

Background



This preview shows how black text looks on a background with the XYZ color 30.8884, 16.7176, 21.3375.



This preview shows how white text looks on a background with the XYZ color 30.8884, 16.7176,

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

30.8884, 16.7176, 21.3375

Protanopia

17.9751, 17.1834, 40.8974

Deuteranopia

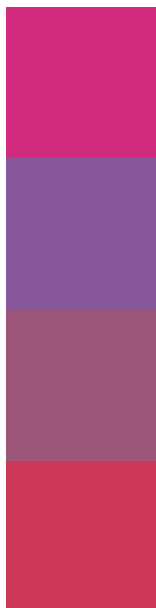
17.2666, 16.9620, 19.5035



Tritanopia

27.7710, 16.6868, 6.6077

Trichromacy



Original Color

30.8884, 16.7176, 21.3375

Protanomaly

19.4779, 14.4172, 32.7665

Deuteranomaly

20.2965, 15.0046, 19.9156

Tritanomaly

28.4931, 16.4483, 10.6899

Monochromacy



Original Color

30.8884, 16.7176, 21.3375

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

16.7224, 12.5477, 16.5795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8884, 16.7176, 21.3375 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(209, 42, 126)` looks like.

```
.text, #text, p{  
  color:rgb(209, 42, 126)  
}
```

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(209, 42, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 42, 126) }
```

Border

The CSS property to change the border of an element to XYZ 30.8884, 16.7176, 21.3375 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(209, 42, 126) }
```


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

```
.border{ border-color:rgb(209, 42, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 42, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 42, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 42, 126);  
box-shadow:4px 4px 4px 4px rgb(209, 42,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8884, 16.7176, 21.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 42, 126) }
```

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

```
.background{ background-color: rgb(209, 42,  
126) }
```

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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