

Converting Colors

XYZ(28.3857, 11.9416, 18.7383)

Have a look what the booklet for
XYZ(28.3857, 11.9416, 18.7383)
contains.

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Color

**XYZ(30.0295, 15.0821,
19.4176)**

Conversions

Conversions Part 1

Format	Color
Hex	D20079
RGB	210, 0, 121
RGB Percent	82%, 0%, 47%
CMY	0.1765, 0.9998, 0.5255
CMYK	0.00, 1.00, 0.42, 0.18
HSL	325°, 100%, 41%
HSV	325°, 100%, 82%
XYZ	30.0295, 15.0821, 19.4176
YIQ	76.5840, 86.3190, 82.1510

Conversions

Conversions Part 2

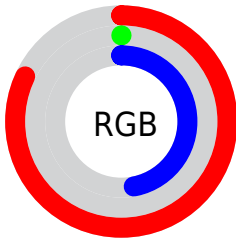
Format	Color
R_{YB}	210, 0, 121
Decimal	13762681
CIE _{Lab}	45.75, 74.40, -6.12
CIE _{LCh}	46, 74.646, 355.301
Yxy	15.0821, 0.4654, 0.2337
Android (android.graphics.Color)	4291952761 (0xFFD20079)
YUV	76.5840, 21.8971, 117.0058
Hunter-Lab	38.8357, 70.0618, -2.4597

Details

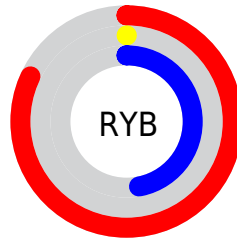
The XYZ color **30.0295, 15.0821, 19.4176** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **24.8519, 46.8153, 17.1865**, and the grayscale version is **6.9308, 7.2918, 7.9407**.

A 20% lighter version of the original color is **52.4390, 31.5895, 42.8687**, and **13.5970, 6.8706, 6.9128** is the 20% darker color. If you saturate the color by 10%, you get **30.0284, 15.0817, 19.4120**, and if you desaturate by 10%, it is **30.8699, 15.8485, 22.5167**.

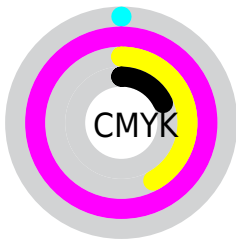
Distribution



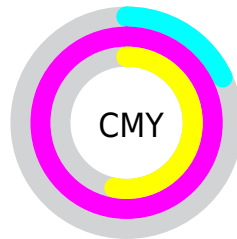
- Red (82%)
- Green (0%)
- Blue (47%)



- Red (82%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0295, 15.0821, 19.4176 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 30.0295, 15.0821, 19.4176 by changing the saturation by 10% instead.


 30.0295, 15.0821,
19.4176


 30.0295, 15.0821,
19.4176


293.9493,
223.8626, 261.2437


 20.0092, 8.8770,
11.7926


 59.0951, 34.9971,
43.2846

 12.5100, 4.6611,
6.4818


 78.8711, 49.4759,
60.3637


 7.1667, 2.0498,
3.0667


 102.6298, 67.4813,
81.4311

 3.6138, 0.6362,
1.1288

 130.7363, 89.3979,
106.9056

 1.4861, 0.0000,
0.0000

 163.5562,
115.6099, 137.2055

 0.3163, 0.0000,
0.0000

 201.4548,

 0.0000, 0.0000,

146.5017, 172.7495

0.0000

244.7973,
182.4578, 213.9560

■ 30.0295, 15.0821,
19.4176

■ 30.0295, 15.0821,
19.4176

■ 30.0284, 15.0817,
19.4120

■ 30.8699, 15.8485,
22.5167

■ 32.0536, 17.2188,
25.9851

■ 33.6801, 19.3900,
29.8624

■ 35.8041, 22.4695,
34.1727

■ 38.4720, 26.5483,
38.9372

■ 41.7244, 31.7058,
44.1752

■ 45.5981, 38.0137,
49.9044

■ 50.1266, 45.5373,
56.1411

■ 55.3409, 54.3369,
62.9009

Harmonies

Analogous

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



26.7140, 15.0821, 44.9802



30.0295, 15.0821, 19.4176



28.2385, 15.0821, 5.6409

Triad

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



30.0295, 15.0821, 19.4176



9.7735, 15.0821, 0.7961



8.5067, 15.0821, 64.3397

Complementary

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



30.0295, 15.0821, 19.4176



24.8519, 46.8153, 17.1865

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.



5.9618, 15.0821, 36.0504



30.0295, 15.0821, 19.4176



6.5295, 15.0821, 3.5621

Square

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



30.0295, 15.0821, 19.4176



15.3461, 15.0821, 0.3130



5.3611, 15.0821, 13.7512



13.3694, 15.0821, 80.5121

Rectangle

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



30.0295, 15.0821, 19.4176



24.6029, 15.0821, 2.0725



5.3611, 15.0821, 13.7512



7.4147, 15.0821, 55.2465

Sweetspot

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



30.0299, 15.0830, 19.4178



70.5218, 58.6048, 77.1051



15.6129, 6.7056, 61.4440



14.5234, 11.6086, 15.6747



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.



30.0299, 15.0830, 19.4178



46.4992, 23.3637, 29.6248



26.6841, 13.7447, 1.7992



12.0901, 11.9208, 13.7503



18.3682, 9.2201, 12.1109



1.0663, 0.5312, 0.8838

Inverse Universe

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



30.0299, 15.0830, 19.4178



46.4992, 23.3637, 29.6248



32.6173, 49.9214, 58.0787



12.0901, 11.9208, 13.7503



18.3682, 9.2201, 12.1109



1.0663, 0.5312, 0.8838

Previews

White Background



This preview shows how the XYZ color 30.0295, 15.0821, 19.4176 looks on a white background.

Color Contrast Check

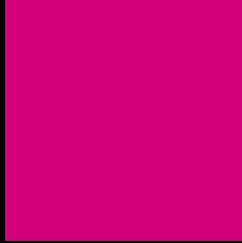
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0295, 15.0821, 19.4176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

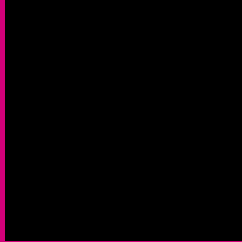
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.0295, 15.0821, 19.4176

Background



This preview shows how black text looks on a background with the XYZ color 30.0295, 15.0821, 19.4176.



This preview shows how white text looks on a background with the XYZ color 30.0295, 15.0821,

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

30.0295, 15.0821, 19.4176

Protanopia

16.8403, 15.7596, 42.1987

Deuteranopia

15.9281, 15.6783, 17.5160



Tritanopia

27.0649, 15.4575, 4.4628

Trichromacy



Original Color

30.0295, 15.0821, 19.4176



Protanomaly

17.4046, 11.4481, 32.3027



Deuteranomaly

18.2985, 12.1444, 17.5993



Tritanomaly

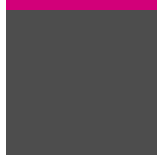
27.4921, 14.7534, 8.0553

Monochromacy



Original Color

30.0295, 15.0821, 19.4176



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.5315, 7.3469, 11.1662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0295, 15.0821, 19.4176 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(210, 0, 121)` looks like.

```
.text, #text, p{  
    color:rgb(210, 0, 121)  
}
```

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(210, 0, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 0, 121) }
```

Border

The CSS property to change the border of an element to XYZ 30.0295, 15.0821, 19.4176 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(210, 0, 121) }
```


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

```
.border{ border-color:rgb(210, 0, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 0, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 0, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 0, 121);  
box-shadow:4px 4px 4px 4px rgb(210, 0,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0295, 15.0821, 19.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 0, 121) }
```

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

```
.background{ background-color: rgb(210, 0,  
121) }
```

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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