

Converting Colors

XYZ(31.9847, 16.0916, 19.4680)

Have a look what the booklet for
XYZ(31.9847, 16.0916, 19.4680)
contains.

XYZ(32.0665, 16.1322, 19.5129)	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(32.0665, 16.1322,
19.5129)**

Conversions

Conversions Part 1

Format	Color
Hex	D90079
RGB	217, 0, 121
RGB Percent	85%, 0%, 47%
CMY	0.1490, 0.9998, 0.5255
CMYK	0.00, 1.00, 0.44, 0.15
HSL	327°, 100%, 43%
HSV	327°, 100%, 85%
XYZ	32.0665, 16.1322, 19.5129
YIQ	78.6770, 90.4910, 83.6350

Conversions

Conversions Part 2

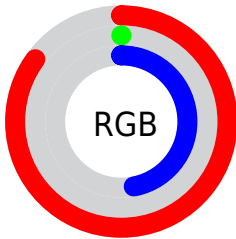
Format	Color
R_{YB}	217, 0, 121
Decimal	14221433
CIE _{Lab}	47.15, 75.89, -3.88
CIE _{LCh}	47, 75.988, 357.070
Yxy	16.1322, 0.4736, 0.2382
Android (android.graphics.Color)	4292411513 (0xFFD90079)
YUV	78.6770, 20.8652, 121.3093
Hunter-Lab	40.1649, 72.2206, -0.6888

Details

The XYZ color **32.0665, 16.1322, 19.5129** 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 **26.9267, 50.4713, 19.3996**, and the grayscale version is **7.3240, 7.7054, 8.3912**.

A 20% lighter version of the original color is **52.5239, 31.7593, 42.8970**, and **14.9129, 7.5490, 6.9744** is the 20% darker color. If you saturate the color by 10%, you get **32.0653, 16.1317, 19.5067**, and if you desaturate by 10%, it is **32.9671, 16.9437, 22.8645**.

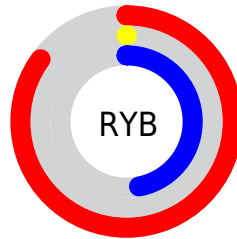
Distribution



Red (85%)

Green (0%)

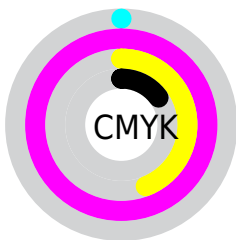
Blue (47%)



Red (85%)

Yellow (0%)

Blue (47%)

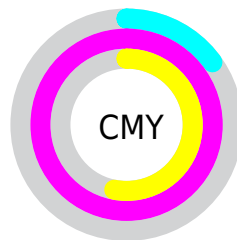


Cyan (0%)

Magenta (100%)

Yellow (44%)

Black (15%)



Cyan (15%)


Magenta (100%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0665, 16.1322, 19.5129 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 32.0665, 16.1322, 19.5129 by changing the saturation by 10% instead.

 32.0665, 16.1322,
19.5129


 32.0665, 16.1322,
19.5129


303.1620,
230.1205, 261.7822


 21.5681, 9.6177,
11.8609


 62.2798, 36.8276,
43.4472


 13.6547, 5.1463,
6.5277


 82.7254, 51.7773,
60.5666

 7.9610, 2.3333,
3.0946

 107.2175, 70.3075,
81.6788

 4.1216, 0.7913,
1.1431

 136.1214, 92.8027,
107.2025

 1.7712, 0.0000,
0.0000

 169.8024,
119.6472, 137.5561

 0.5002, 0.0000,
0.0000

 208.6259,

 0.0000, 0.0000,

151.2254, 173.1583

0.0000

252.9573,
187.9217, 214.4275

■ 32.0665, 16.1322,
19.5129

■ 32.0665, 16.1322,
19.5129

■ 32.0653, 16.1317,
19.5067

■ 32.9671, 16.9437,
22.8645

■ 34.2441, 18.4114,
26.6388

■ 36.0032, 20.7446,
30.8789

■ 38.3043, 24.0602,
35.6120

■ 41.1977, 28.4569,
40.8623

■ 44.7278, 34.0209,
46.6515

■ 48.9346, 40.8300,
52.9997

■ 53.8544, 48.9551,
59.9255

■ 59.5211, 58.4617,
67.4466

Harmonies

Analogous

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



28.8349, 16.1322, 46.1033



32.0665, 16.1322, 19.5129



29.8465, 16.1322, 5.5813

Triad

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



32.0665, 16.1322, 19.5129



10.2001, 16.1322, 0.9526



9.3580, 16.1322, 70.0496

Complementary

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



32.0665, 16.1322, 19.5129



26.9267, 50.4713, 19.3996

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.



6.5052, 16.1322, 40.1814



32.0665, 16.1322, 19.5129



6.8829, 16.1322, 4.1983

Square

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



32.0665, 16.1322, 19.5129



15.9990, 16.1322, 0.3775



5.7515, 16.1322, 15.7517



14.6861, 16.1322, 85.8462

Rectangle

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



32.0665, 16.1322, 19.5129



25.8484, 16.1322, 2.0536



5.7515, 16.1322, 15.7517



8.1442, 16.1322, 60.5994

Sweetspot

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



32.0669, 16.1331, 19.5131



70.3312, 58.5286, 76.1017



17.1469, 7.3935, 66.1690



14.4781, 11.5905, 15.4365



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.



32.0669, 16.1331, 19.5131



46.1350, 23.2180, 27.7067



28.6985, 14.7858, 1.7751



13.3584, 13.1725, 15.1487



19.4646, 9.7869, 12.0927



1.3041, 0.6513, 1.0104

Inverse Universe

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



32.0669, 16.1331, 19.5131



46.1350, 23.2180, 27.7067



35.5377, 53.9157, 64.7443



13.3584, 13.1725, 15.1487



19.4646, 9.7869, 12.0927



1.3041, 0.6513, 1.0104

Previews

White Background



This preview shows how the XYZ color 32.0665, 16.1322, 19.5129 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 32.0665, 16.1322, 19.5129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

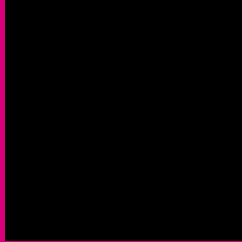
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.0665, 16.1322, 19.5129

Background



This preview shows how black text looks on a background with the XYZ color 32.0665, 16.1322, 19.5129.



This preview shows how white text looks on a background with the XYZ color 32.0665, 16.1322,

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

32.0665, 16.1322, 19.5129

Protanopia

17.8478, 16.9196, 42.3695

Deuteranopia

16.9580, 16.6817, 17.6553



Tritanopia

29.0519, 16.4818, 4.5558

Trichromacy



Original Color

32.0665, 16.1322, 19.5129



Protanomaly

18.4862, 12.1914, 32.3892



Deuteranomaly

19.3852, 12.8872, 17.6854



Tritanomaly

29.4915, 15.7841, 8.1489

Monochromacy



Original Color

32.0665, 16.1322, 19.5129



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.2142, 7.7565, 11.4431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0665, 16.1322, 19.5129 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, 121)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 0, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 121) }
```

Border

The CSS property to change the border of an element to XYZ 32.0665, 16.1322, 19.5129 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, 121) }
```


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

```
.border{ border-color:rgb(217, 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(217, 0, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 121);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0665, 16.1322, 19.5129 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, 121) }
```

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

```
.background{ background-color: rgb(217, 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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