

Converting Colors

XYZ(32.8335, 16.1742, 35.5167)

Have a look what the booklet for
XYZ(32.8335, 16.1742, 35.5167)
contains.

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Color

**XYZ(32.8161, 16.1639,
35.5728)**

Conversions

Conversions Part 1

Format	Color
Hex	D100A2
RGB	209, 0, 162
RGB Percent	82%, 0%, 64%
CMY	0.1804, 0.9999, 0.3647
CMYK	0.00, 1.00, 0.22, 0.18
HSL	313°, 100%, 41%
HSV	313°, 100%, 82%
XYZ	32.8161, 16.1639, 35.5728
YIQ	80.9590, 72.5620, 94.6900

Conversions

Conversions Part 2

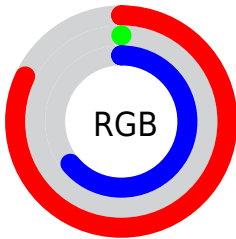
Format	Color
R_{YB}	209, 0, 162
Decimal	13697186
CIE _{Lab}	47.19, 78.40, -28.80
CIE _{LCh}	47, 83.525, 339.829
Yxy	16.1639, 0.3881, 0.1912
Android (android.graphics.Color)	4291887266 (0xFFD100A2)
YUV	80.9590, 39.9532, 112.2920
Hunter-Lab	40.2044, 75.3399, -24.3167

Details

The XYZ color **32.8161, 16.1639, 35.5728** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **23.3148, 45.8069, 10.3056**, and the grayscale version is **7.7303, 8.1329, 8.8567**.

A 20% lighter version of the original color is **57.5915, 33.9240, 69.1582**, and **15.2089, 7.5154, 15.4009** is the 20% darker color. If you saturate the color by 10%, you get **32.8156, 16.1638, 35.5695**, and if you desaturate by 10%, it is **33.5090, 16.8682, 37.9043**.

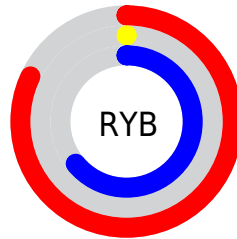
Distribution



Red (82%)

Green (0%)

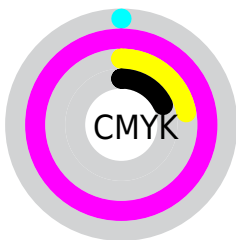
Blue (64%)



Red (82%)

Yellow (0%)

Blue (64%)

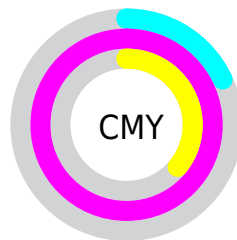


Cyan (0%)

Magenta (100%)

Yellow (22%)

Black (18%)



Cyan (18%)


Magenta (100%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8161, 16.1639, 35.5728 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 32.8161, 16.1639, 35.5728 by changing the saturation by 10% instead.


 32.8161, 16.1639,
35.5728


 32.8161, 16.1639,
35.5728


306.4999,
230.3069, 342.0702

 22.1442, 9.6402,
23.8174


 63.4449, 36.8825,
69.5338


 14.0801, 5.1611,
14.9873


 84.1325, 51.8462,
92.5764


 8.2584, 2.3421,
8.6639


 108.8893, 70.3920,
120.2185


 4.3140, 0.7958,
4.4288

 138.0808, 92.9044,
152.8787

 1.8812, 0.0000,
1.8634

 172.0722,
119.7677, 190.9754

 0.5659, 0.0000,
0.4693

 211.2290,

 0.0000, 0.0000,

151.3663, 234.9272

0.0000

255.9164,
188.0845, 285.1526

■ 32.8161, 16.1639,
35.5728

■ 32.8161, 16.1639,
35.5728

■ 32.8156, 16.1638,
35.5695

■ 33.5090, 16.8682,
37.9043

■ 34.5058, 18.1551,
40.4149

■ 35.9041, 20.2196,
43.1380

■ 37.7569, 23.1674,
46.0921

■ 40.1091, 27.0878,
49.2930

■ 42.9999, 32.0592,
52.7544

■ 46.4647, 38.1519,
56.4890

■ 50.5355, 45.4301,
60.5081

■ 55.2424, 53.9532,
64.8226

Harmonies

Analogous

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



26.3108, 16.1639, 70.5803



32.8161, 16.1639, 35.5728



33.9219, 16.1639, 11.5544

Triad

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



32.8161, 16.1639, 35.5728



13.0745, 16.1639, 0.0000



6.8645, 16.1639, 58.3419

Complementary

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



32.8161, 16.1639, 35.5728



23.3148, 45.8069, 10.3056

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.



5.2209, 16.1639, 25.4539



32.8161, 16.1639, 35.5728



7.9721, 16.1639, 1.2240

Square

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



32.8161, 16.1639, 35.5728



20.7706, 16.1639, 0.2068



5.5486, 16.1639, 7.0065



10.9868, 16.1639, 89.4993

Rectangle

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



32.8161, 16.1639, 35.5728



31.1761, 16.1639, 4.1672



5.5486, 16.1639, 7.0065



6.0745, 16.1639, 46.3893

Sweetspot

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



32.8166, 16.1648, 35.5731



72.6624, 59.4611, 88.3777



12.6049, 5.1691, 60.6554



15.0355, 11.8135, 18.3718



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.



32.8166, 16.1648, 35.5731



51.3923, 25.3209, 55.3912



27.0907, 13.8744, 5.4206



12.1923, 11.9616, 14.2883



20.2717, 9.9815, 22.1348



1.1621, 0.5696, 1.3885

Inverse Universe

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



32.8166, 16.1648, 35.5731



51.3923, 25.3209, 55.3912



28.2894, 47.7968, 36.5016



12.1923, 11.9616, 14.2883



20.2717, 9.9815, 22.1348



1.1621, 0.5696, 1.3885

Previews

White Background



This preview shows how the XYZ color 32.8161, 16.1639, 35.5728 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 32.8161, 16.1639, 35.5728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

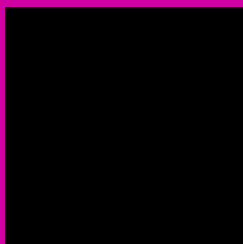
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.8161, 16.1639, 35.5728

Background



This preview shows how black text looks on a background with the XYZ color 32.8161, 16.1639, 35.5728.



This preview shows how white text looks on a background with the XYZ color 32.8161, 16.1639,

35.5728.

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

32.8161, 16.1639, 35.5728

Protanopia

20.3656, 17.1262, 77.0952

Deuteranopia

17.1706, 16.7984, 32.0432



Tritanopia

27.2036, 16.6286, 7.0860

Trichromacy



Original Color

32.8161, 16.1639, 35.5728



Protanomaly

17.8257, 11.1678, 58.9737



Deuteranomaly

19.4093, 12.6576, 32.8727



Tritanomaly

28.3680, 15.5243, 14.0717

Monochromacy



Original Color

32.8161, 16.1639, 35.5728



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.9446, 8.1710, 15.6468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8161, 16.1639, 35.5728 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, 0, 162)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 162)  
}
```

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, 0, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 162) }
```

Border

The CSS property to change the border of an element to XYZ 32.8161, 16.1639, 35.5728 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, 0, 162) }
```


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

```
.border{ border-color:rgb(209, 0, 162) }
```

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

Here you see how a box with a 4 pixel rgb(209, 0, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 162);  
box-shadow:4px 4px 4px 4px rgb(209, 0,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8161, 16.1639, 35.5728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 162) }
```

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

```
.background{ background-color: rgb(209, 0,  
162) }
```

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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