

Converting Colors

XYZ(32.9014, 16.2013, 35.8742)

Have a look what the booklet for
XYZ(32.9014, 16.2013, 35.8742)
contains.

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Color

**XYZ(32.9054, 16.1997,
36.0429)**

Conversions

Conversions Part 1

Format	Color
Hex	D100A3
RGB	209, 0, 163
RGB Percent	82%, 0%, 64%
CMY	0.1804, 0.9999, 0.3608
CMYK	0.00, 1.00, 0.22, 0.18
HSL	313°, 100%, 41%
HSV	313°, 100%, 82%
XYZ	32.9054, 16.1997, 36.0429
YIQ	81.0730, 72.2410, 95.0010

Conversions

Conversions Part 2

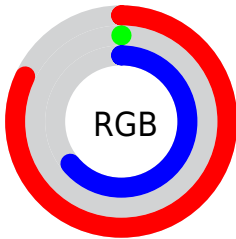
Format	Color
R_{YB}	209, 0, 163
Decimal	13697187
CIE _{Lab}	47.24, 78.52, -29.32
CIE _{LCh}	47, 83.816, 339.521
Yxy	16.1997, 0.3864, 0.1903
Android (android.graphics.Color)	4291887267 (0xFFD100A3)
YUV	81.0730, 40.3900, 112.1920
Hunter-Lab	40.2489, 75.4970, -24.9201

Details

The XYZ color **32.9054, 16.1997, 36.0429** 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 **23.2950, 45.7990, 10.2010**, and the grayscale version is **7.7525, 8.1562, 8.8821**.

A 20% lighter version of the original color is **57.7220, 33.9762, 69.8455**, and **15.2637, 7.5373, 15.6893** is the 20% darker color. If you saturate the color by 10%, you get **32.9048, 16.1995, 36.0392**, and if you desaturate by 10%, it is **33.5924, 16.9017, 38.3431**.

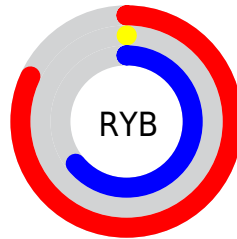
Distribution



Red (82%)

Green (0%)

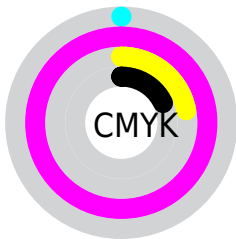
Blue (64%)



Red (82%)

Yellow (0%)

Blue (64%)

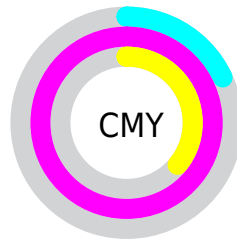


Cyan (0%)

Magenta (100%)

Yellow (22%)

Black (18%)



Cyan (18%)


Magenta (100%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9054, 16.1997, 36.0429 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 32.9054, 16.1997, 36.0429 by changing the saturation by 10% instead.

 32.9054, 16.1997,
36.0429


 32.9054, 16.1997,
36.0429


306.8958,
230.5172, 344.1911


 22.2129, 9.6656,
24.1774


 63.5835, 36.9445,
70.2681


 14.1309, 5.1778,
15.2518

 84.2997, 51.9241,
93.4648


 8.2941, 2.3520,
8.8477


 109.0879, 70.4875,
121.2757


 4.3371, 0.8010,
4.5465

 138.3135, 93.0192,
154.1192

 1.8945, 0.0000,
1.9297

 172.3417,
119.9037, 192.4140

 0.5737, 0.0000,
0.5115

 211.5379,

 0.0000, 0.0000,

151.5252, 236.5785

0.0000

256.2675,
188.2683, 287.0314

■ 32.9054, 16.1997,
36.0429

■ 32.9054, 16.1997,
36.0429

■ 32.9048, 16.1995,
36.0392

■ 33.5924, 16.9017,
38.3431

■ 34.5827, 18.1861,
40.8191

■ 35.9738, 20.2479,
43.5042

■ 37.8189, 23.1927,
46.4169

■ 40.1627, 27.1100,
49.5729

■ 43.0444, 32.0779,
52.9858

■ 46.4994, 38.1669,
56.6683

■ 50.5598, 45.4412,
60.6317

■ 55.2554, 53.9600,
64.8867

Harmonies

Analogous

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



26.3206, 16.1997, 71.3075



32.9054, 16.1997, 36.0429



34.0840, 16.1997, 11.7293

Triad

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



32.9054, 16.1997, 36.0429



13.1653, 16.1997, 0.0000



6.8338, 16.1997, 58.2556

Complementary

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



32.9054, 16.1997, 36.0429



23.2950, 45.7990, 10.2010

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.



5.2076, 16.1997, 25.2593



32.9054, 16.1997, 36.0429



8.0117, 16.1997, 1.1890

Square

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



32.9054, 16.1997, 36.0429



20.9209, 16.1997, 0.2042



5.5559, 16.1997, 6.8909



10.9432, 16.1997, 89.7824

Rectangle

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



32.9054, 16.1997, 36.0429



31.3602, 16.1997, 4.2282



5.5559, 16.1997, 6.8909



6.0494, 16.1997, 46.2353

Sweetspot

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



32.9060, 16.2006, 36.0432



72.7162, 59.4826, 88.6607



12.6051, 5.1693, 60.6554



15.0485, 11.8186, 18.4400



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.



32.9060, 16.2006, 36.0432



51.5332, 25.3773, 56.1332



27.0908, 13.8745, 5.4211



12.1948, 11.9626, 14.3014



20.3262, 10.0033, 22.4216



1.1647, 0.5706, 1.4024

Inverse Universe

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



32.9060, 16.2006, 36.0432



51.5332, 25.3773, 56.1332



28.2895, 47.7968, 36.5021



12.1948, 11.9626, 14.3014



20.3262, 10.0033, 22.4216



1.1647, 0.5706, 1.4024

Previews

White Background



This preview shows how the XYZ color 32.9054, 16.1997, 36.0429 looks on a white background.

Color Contrast Check

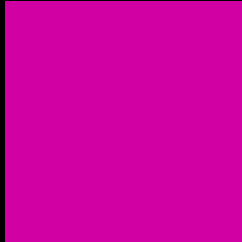
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.9054, 16.1997, 36.0429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

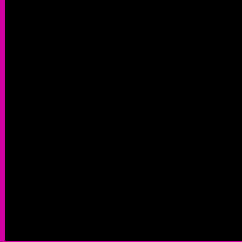
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.9054, 16.1997, 36.0429

Background



This preview shows how black text looks on a background with the XYZ color 32.9054, 16.1997, 36.0429.



This preview shows how white text looks on a background with the XYZ color 32.9054, 16.1997,

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

32.9054, 16.1997, 36.0429

Protanopia

20.4006, 17.1281, 77.8321

Deuteranopia

17.2529, 16.8313, 32.4764



Tritanopia

26.9642, 16.5017, 7.2328

Trichromacy



Original Color

32.9054, 16.1997, 36.0429



Protanomaly

17.7444, 11.1119, 59.6021



Deuteranomaly

19.4944, 12.6916, 33.3205



Tritanomaly

28.1430, 15.4025, 14.3216

Monochromacy



Original Color

32.9054, 16.1997, 36.0429



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.9993, 8.1929, 15.9352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9054, 16.1997, 36.0429 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 163) }
```

Border

The CSS property to change the border of an element to XYZ 32.9054, 16.1997, 36.0429 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, 163) }
```


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

```
.border{ border-color:rgb(209, 0, 163) }
```

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, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(209, 0,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9054, 16.1997, 36.0429 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, 163) }
```

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

```
.background{ background-color: rgb(209, 0,  
163) }
```

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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