

Converting Colors

XYZ(33.0099, 16.8559, 27.4247)

Have a look what the booklet for
XYZ(33.0099, 16.8559, 27.4247)
contains.

XYZ(32.9576, 16.8156, 27.4953)	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(32.9576, 16.8156,
27.4953)**

Conversions

Conversions Part 1

Format	Color
Hex	D6158F
RGB	214, 21, 143
RGB Percent	84%, 8%, 56%
CMY	0.1608, 0.9176, 0.4392
CMYK	0.00, 0.90, 0.33, 0.16
HSL	322°, 82%, 46%
HSV	322°, 90%, 84%
XYZ	32.9576, 16.8156, 27.4953
YIQ	92.6150, 75.8660, 78.8580

Conversions

Conversions Part 2

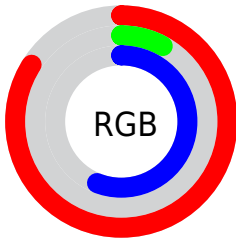
Format	Color
R_{YB}	214, 21, 143
Decimal	14030223
CIE _{Lab}	48.03, 75.29, -16.02
CIE _{LCh}	48, 76.979, 347.986
Yxy	16.8156, 0.4265, 0.2176
Android (android.graphics.Color)	4292220303 (0xFFD6158F)
YUV	92.6150, 24.8398, 106.4546
Hunter-Lab	41.0068, 71.7003, -11.0495

Details

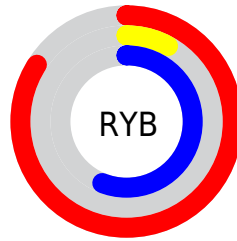
The XYZ color **32.9576, 16.8156, 27.4953** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **26.2891, 49.0259, 18.2080**, and the grayscale version is **10.2497, 10.7835, 11.7432**.

A 20% lighter version of the original color is **55.5927, 33.8406, 56.4252**, and **15.3022, 7.6603, 11.0280** is the 20% darker color. If you saturate the color by 10%, you get **32.1234, 16.0529, 24.4251**, and if you desaturate by 10%, it is **34.1503, 18.2126, 30.9399**.

Distribution



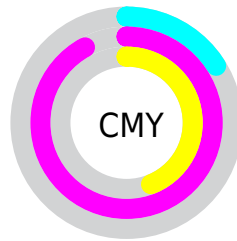
- Red (84%)
- Green (8%)
- Blue (56%)



- Red (84%)
- Yellow (8%)
- Blue (56%)



- Cyan (0%)
- Magenta (90%)
- Yellow (33%)
- Black (16%)




- Cyan (16%)
- Magenta (92%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9576, 16.8156, 27.4953 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 32.9576, 16.8156, 27.4953 by changing the saturation by 10% instead.


 32.9576, 16.8156,
27.4953


 32.9576, 16.8156,
27.4953


307.1270,
234.1075, 303.8830


 22.2530, 10.1031,
17.7098


 63.6644, 38.0085,
56.6910


 14.1606, 5.4674,
10.5746


 84.3975, 53.2576,
76.9383


 8.3149, 2.5240,
5.6710


 109.2040, 72.1211,
101.5100


 4.3506, 0.8886,
2.5805

 138.4494, 94.9833,
130.8247

 1.9023, 0.0000,
0.8824

 172.4991,
122.2287, 165.3007

 0.5782, 0.0000,
0.0000

 211.7183,

 0.0000, 0.0000,

154.2416, 205.3568

0.0000

256.4725,
191.4064, 251.4114

■ 32.9576, 16.8156,
27.4953

■ 32.9576, 16.8156,
27.4953

■ 32.1234, 16.0529,
24.4251

■ 34.1503, 18.2126,
30.9399

■ 35.7911, 20.4376,
34.7445

■ 37.9378, 23.6045,
38.9323

■ 40.6384, 27.8086,
43.5232

■ 43.9354, 33.1334,
48.5352

■ 47.8669, 39.6537,
53.9846

■ 52.4675, 47.4380,
59.8866

■ 57.7696, 56.5495,
66.2554

■ 63.8030, 67.0471,
73.1043

Harmonies

Analogous

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



28.1212, 16.8156, 57.7730



32.9576, 16.8156, 27.4953



32.3768, 16.8156, 8.8458

Triad

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



32.9576, 16.8156, 27.4953



12.1984, 16.8156, 0.6703



8.5983, 16.8156, 64.0588

Complementary

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



32.9576, 16.8156, 27.4953



26.2891, 49.0259, 18.2080

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.



6.3384, 16.8156, 32.8664



32.9576, 16.8156, 27.4953



7.9629, 16.8156, 2.7766

Square

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



32.9576, 16.8156, 27.4953



18.9313, 16.8156, 0.5252



6.1457, 16.8156, 11.4378



13.3574, 16.8156, 87.1358

Rectangle

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



32.9576, 16.8156, 27.4953



29.0111, 16.8156, 3.4053



6.1457, 16.8156, 11.4378



7.5892, 16.8156, 53.4491

Sweetspot

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



32.9581, 16.8165, 27.4956



73.0670, 62.1356, 82.7616



16.7981, 7.6563, 64.2108



15.1629, 12.4992, 17.0858



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.



32.9581, 16.8165, 27.4956



47.6890, 23.8396, 35.8898



28.5083, 15.0366, 4.0632



12.7502, 12.5516, 14.6247



19.4682, 9.7236, 15.0356



1.2135, 0.6022, 1.1137

Inverse Universe

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



32.9581, 16.8165, 27.4956



47.6890, 23.8396, 35.8898



33.4626, 51.8953, 55.9828



12.7502, 12.5516, 14.6247



19.4682, 9.7236, 15.0356



1.2135, 0.6022, 1.1137

Previews

White Background



This preview shows how the XYZ color 32.9576, 16.8156, 27.4953 looks on a white background.

Color Contrast Check

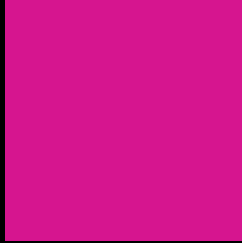
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.9576, 16.8156, 27.4953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

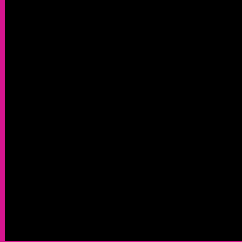
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.9576, 16.8156, 27.4953

Background



This preview shows how black text looks on a background with the XYZ color 32.9576, 16.8156, 27.4953.



This preview shows how white text looks on a background with the XYZ color 32.9576, 16.8156,

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

32.9576, 16.8156, 27.4953

Protanopia

19.3565, 17.3485, 58.2055

Deuteranopia

17.4990, 17.1333, 24.5751



Tritanopia

28.7008, 17.0202, 6.1874

Trichromacy



Original Color

32.9576, 16.8156, 27.4953



Protanomaly

19.7407, 13.3638, 45.2551



Deuteranomaly

20.4482, 14.1704, 25.3243



Tritanomaly

29.6907, 16.4810, 11.5138

Monochromacy



Original Color

32.9576, 16.8156, 27.4953



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

15.1929, 10.4804, 16.2611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9576, 16.8156, 27.4953 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(214, 21, 143)` looks like.

```
.text, #text, p{  
    color:rgb(214, 21, 143)  
}
```

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(214, 21, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 21, 143) }
```

Border

The CSS property to change the border of an element to XYZ 32.9576, 16.8156, 27.4953 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(214, 21, 143) }
```


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

```
.border{ border-color:rgb(214, 21, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 21, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 21, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 21, 143);  
box-shadow:4px 4px 4px 4px rgb(214, 21,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9576, 16.8156, 27.4953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 21, 143) }
```

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

```
.background{ background-color: rgb(214, 21,  
143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor