

Converting Colors

XYZ(37.5636, 18.6831, 32.5548)

Have a look what the booklet for
XYZ(37.5636, 18.6831, 32.5548)
contains.

XYZ(37.5949, 18.6975, 32.6378)	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(37.5949, 18.6975,
32.6378)**

Conversions

Conversions Part 1

Format	Color
Hex	E3009B
RGB	227, 0, 155
RGB Percent	89%, 0%, 61%
CMY	0.1098, 0.9998, 0.3922
CMYK	0.00, 1.00, 0.32, 0.11
HSL	319°, 100%, 45%
HSV	319°, 100%, 89%
XYZ	37.5949, 18.6975, 32.6378
YIQ	85.5430, 85.5370, 96.3290

Conversions

Conversions Part 2

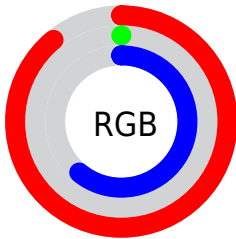
Format	Color
R_YB	227, 0, 155
Decimal	14876827
CIE _{Lab}	50.33, 81.12, -19.49
CIE _{LCh}	50, 83.425, 346.493
Yxy	18.6975, 0.4227, 0.2102
Android (android.graphics.Color)	4293066907 (0xFFE3009B)
YUV	85.5430, 34.2423, 124.0578
Hunter-Lab	43.2406, 79.5231, -14.4834

Details

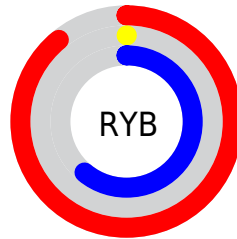
The XYZ color **37.5949, 18.6975, 32.6378** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **28.6410, 55.4070, 15.3246**, and the grayscale version is **8.6722, 9.1238, 9.9359**.

A 20% lighter version of the original color is **56.9651, 34.0976, 64.5519**, and **18.2246, 9.1065, 13.8939** is the 20% darker color. If you saturate the color by 10%, you get **37.5936, 18.6969, 32.6308**, and if you desaturate by 10%, it is **38.5195, 19.5496, 36.0198**.

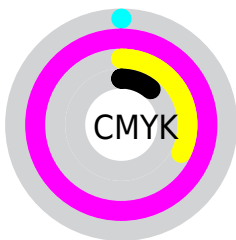
Distribution



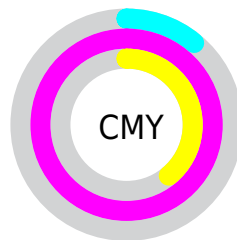
- Red (89%)
- Green (0%)
- Blue (61%)



- Red (89%)
- Yellow (0%)
- Blue (61%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5949, 18.6975, 32.6378 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 37.5949, 18.6975, 32.6378 by changing the saturation by 10% instead.

 37.5949, 18.6975,
32.6378


 37.5949, 18.6975,
32.6378


327.1900,
244.7737, 328.5963


 25.8442, 11.4519,
21.5803


 70.7947, 41.2223,
64.9191


 16.8392, 6.3717,
13.3535


 92.9745, 57.2703,
86.9800


 10.2145, 3.0724,
7.5388


 119.3615, 77.0213,
113.5457

 5.6048, 1.1696,
3.7178

 150.3209,
100.8595, 145.0349

 2.6446, 0.0367,
1.4718

 186.2180,
129.1695, 181.8659

 0.9688, 0.0000,
0.1968

 227.4184,

 0.0000, 0.0000,

162.3356, 224.4575

0.0000

274.2872,
200.7422, 273.2281

■ 37.5949, 18.6975,
32.6378

■ 37.5949, 18.6975,
32.6378

■ 37.5936, 18.6969,
32.6308

■ 38.5195, 19.5496,
36.0198

■ 39.8336, 21.1220,
39.7124

■ 41.6512, 23.6420,
43.7569

■ 44.0383, 27.2401,
48.1779

■ 47.0501, 32.0263,
52.9968

■ 50.7353, 38.0968,
58.2323

■ 55.1373, 45.5379,
63.9019

■ 60.2962, 54.4283,
70.0212

■ 66.2485, 64.8410,
76.6052

Harmonies

Analogous

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



31.6105, 18.6975, 69.0118



37.5949, 18.6975, 32.6378



37.2502, 18.6975, 10.1486

Triad

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



37.5949, 18.6975, 32.6378



13.7107, 18.6975, 0.4744



9.0690, 18.6975, 72.7830

Complementary

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



37.5949, 18.6975, 32.6378



28.6410, 55.4070, 15.3246

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.



6.6392, 18.6975, 35.8069



37.5949, 18.6975, 32.6378



8.7079, 18.6975, 2.5114

Square

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



37.5949, 18.6975, 32.6378



21.6581, 18.6975, 0.3958



6.5310, 18.6975, 11.6248



14.3800, 18.6975, 101.6696

Rectangle

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



37.5949, 18.6975, 32.6378



33.4407, 18.6975, 3.6947



6.5310, 18.6975, 11.6248



7.9695, 18.6975, 60.0120

Sweetspot

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



37.5955, 18.6985, 32.6381



71.6458, 59.0544, 83.0243



16.5320, 6.9217, 73.1377



14.7914, 11.7158, 17.0863



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.



37.5955, 18.6985, 32.6381



48.8899, 24.3199, 42.2136



32.0909, 16.4967, 3.6513



14.7903, 14.5333, 17.0962



21.9799, 10.9262, 19.3209



1.6660, 0.8241, 1.6474

Inverse Universe

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



37.5955, 18.6985, 32.6381



48.8899, 24.3199, 42.2136



36.2682, 58.4578, 55.4885



14.7903, 14.5333, 17.0962



21.9799, 10.9262, 19.3209



1.6660, 0.8241, 1.6474

Previews

White Background



This preview shows how the XYZ color 37.5949, 18.6975, 32.6378 looks on a white background.

Color Contrast Check

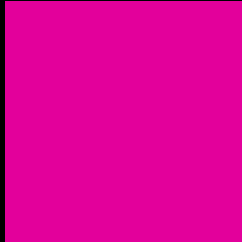
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.5949, 18.6975, 32.6378 looks on a black 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

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

XYZ 37.5949, 18.6975, 32.6378

Background



This preview shows how black text looks on a background with the XYZ color 37.5949, 18.6975, 32.6378.



This preview shows how white text looks on a background with the XYZ color 37.5949, 18.6975,

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

37.5949, 18.6975, 32.6378

Protanopia

22.1281, 19.5169, 71.0075

Deuteranopia

19.7337, 19.3756, 29.4878



Tritanopia

32.4130, 19.0798, 6.8249

Trichromacy



Original Color

37.5949, 18.6975, 32.6378



Protanomaly

21.4962, 13.6526, 54.3256



Deuteranomaly

22.5065, 14.8124, 30.1066



Tritanomaly

33.3146, 18.0021, 13.0281

Monochromacy



Original Color

37.5949, 18.6975, 32.6378



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.5520, 9.1984, 16.0474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5949, 18.6975, 32.6378 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(227, 0, 155)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 155)  
}
```

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(227, 0, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 155) }
```

Border

The CSS property to change the border of an element to XYZ 37.5949, 18.6975, 32.6378 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(227, 0, 155) }
```


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

```
.border{ border-color:rgb(227, 0, 155) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 155);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5949, 18.6975, 32.6378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 155) }
```

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

```
.background{ background-color: rgb(227, 0,  
155) }
```

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