

Converting Colors

XYZ(33.2423, 10.5738, 32.8768)

Have a look what the booklet for
XYZ(33.2423, 10.5738, 32.8768)
contains.

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Color

**XYZ(37.3093, 18.5108,
34.4074)**

Conversions

Conversions Part 1

Format	Color
Hex	E1009F
RGB	225, 0, 159
RGB Percent	88%, 0%, 62%
CMY	0.1176, 0.9998, 0.3765
CMYK	0.00, 1.00, 0.29, 0.12
HSL	318°, 100%, 44%
HSV	318°, 100%, 88%
XYZ	37.3093, 18.5108, 34.4074
YIQ	85.4010, 83.0610, 97.1490

Conversions

Conversions Part 2

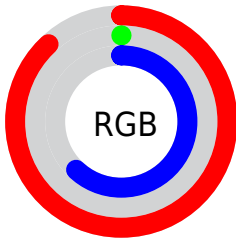
Format	Color
R_{YB}	225, 0, 159
Decimal	14745759
CIE _{Lab}	50.11, 81.14, -22.24
CIE _{LCh}	50, 84.134, 344.670
Yxy	18.5108, 0.4135, 0.2052
Android (android.graphics.Color)	4292935839 (0xFFE1009F)
YUV	85.4010, 36.2843, 122.4283
Hunter-Lab	43.0242, 79.4976, -17.2986

Details

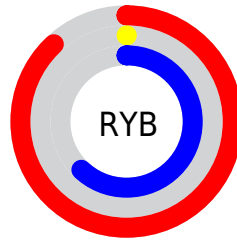
The XYZ color **37.3093, 18.5108, 34.4074** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **27.9106, 54.2446, 14.1610**, and the grayscale version is **8.6385, 9.0883, 9.8972**.

A 20% lighter version of the original color is **57.4698, 34.2995, 67.2098**, and **17.9637, 8.9540, 14.6914** is the 20% darker color. If you saturate the color by 10%, you get **37.3081, 18.5103, 34.4010**, and if you desaturate by 10%, it is **38.1953, 19.3411, 37.6052**.

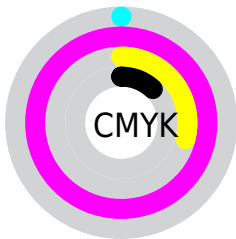
Distribution



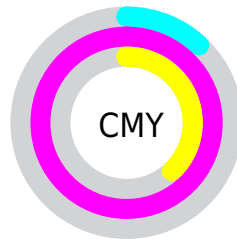
- Red (88%)
- Green (0%)
- Blue (62%)



- Red (88%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (29%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3093, 18.5108, 34.4074 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 37.3093, 18.5108, 34.4074 by changing the saturation by 10% instead.


 37.3093, 18.5108,
34.4074


 37.3093, 18.5108,
34.4074


325.9800,
243.7346, 336.7693

 25.6218, 11.3173,
22.9269


 70.3590, 40.9058,
67.7078

 16.6721, 6.2807,
14.3347


 92.4519, 56.8761,
90.3648


 10.0949, 3.0165,
8.2124


 118.7440, 76.5409,
117.5843

 5.5246, 1.1404,
4.1415

 149.6007,
100.2844, 149.7850

 2.5961, 0.0122,
1.7033

 185.3873,
128.4912, 187.3852

 0.9440, 0.0000,
0.3630

 226.4691,

 0.0000, 0.0000,

161.5456, 230.8037

0.0000

273.2116,
199.8319, 280.4588

■ 37.3093, 18.5108,
34.4074

■ 37.3093, 18.5108,
34.4074

■ 37.3081, 18.5103,
34.4010

■ 38.1953, 19.3411,
37.6052

■ 39.4575, 20.8744,
41.0816

■ 41.2082, 23.3342,
44.8763

■ 43.5115, 26.8481,
49.0128

■ 46.4215, 31.5235,
53.5114

■ 49.9855, 37.4545,
58.3898

■ 54.2462, 44.7256,
63.6645

■ 59.2423, 53.4138,
69.3502

■ 65.0099, 63.5902,
75.4611

Harmonies

Analogous

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



30.9813, 18.5108, 71.4731



37.3093, 18.5108, 34.4074



37.3861, 18.5108, 10.8335

Triad

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



37.3093, 18.5108, 34.4074



13.9351, 18.5108, 0.3499



8.6753, 18.5108, 70.6304

Complementary

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



37.3093, 18.5108, 34.4074



27.9106, 54.2446, 14.1610

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.



6.4141, 18.5108, 33.7024



37.3093, 18.5108, 34.4074



8.7548, 18.5108, 2.1609

Square

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



37.3093, 18.5108, 34.4074



22.0441, 18.5108, 0.3674



6.4379, 18.5108, 10.5083



13.7871, 18.5108, 101.1107

Rectangle

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



37.3093, 18.5108, 34.4074



33.7752, 18.5108, 3.9349



6.4379, 18.5108, 10.5083



7.6374, 18.5108, 57.6957

Sweetspot

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



37.3099, 18.5118, 34.4077



71.9046, 59.1579, 84.3869



15.6915, 6.5201, 71.6656



14.8534, 11.7406, 17.4128



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.



37.3099, 18.5118, 34.4077



49.4970, 24.5628, 45.4107



31.6018, 16.2286, 4.3492



14.1147, 13.8635, 16.3741



21.5520, 10.6878, 20.1044



1.5324, 0.7562, 1.5964

Inverse Universe

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



37.3099, 18.5118, 34.4077



49.4970, 24.5628, 45.4107



34.7881, 56.9956, 50.3773



14.1147, 13.8635, 16.3741



21.5520, 10.6878, 20.1044



1.5324, 0.7562, 1.5964

Previews

White Background



This preview shows how the XYZ color 37.3093, 18.5108, 34.4074 looks on a white background.

Color Contrast Check

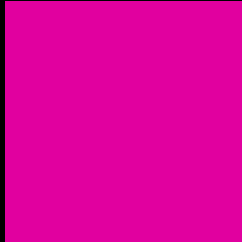
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3093, 18.5108, 34.4074 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 37.3093, 18.5108, 34.4074

Background



This preview shows how black text looks on a background with the XYZ color 37.3093, 18.5108, 34.4074.



This preview shows how white text looks on a background with the XYZ color 37.3093, 18.5108,

34.4074.

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

37.3093, 18.5108, 34.4074

Protanopia

22.2763, 19.3254, 75.2291

Deuteranopia

19.5110, 19.0487, 31.0822



Tritanopia

31.6743, 18.8538, 7.1240

Trichromacy



Original Color

37.3093, 18.5108, 34.4074



Protanomaly

21.1355, 13.2994, 57.3302



Deuteranomaly

22.3664, 14.6012, 31.7765



Tritanomaly

32.8778, 17.8098, 13.7614

Monochromacy



Original Color

37.3093, 18.5108, 34.4074



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.3971, 9.0424, 16.3158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3093, 18.5108, 34.4074 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(225, 0, 159)` looks like.

```
.text, #text, p{  
    color:rgb(225, 0, 159)  
}
```

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(225, 0, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 0, 159) }
```

Border

The CSS property to change the border of an element to XYZ 37.3093, 18.5108, 34.4074 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(225, 0, 159) }
```


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

```
.border{ border-color:rgb(225, 0, 159) }
```

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

Here you see how a box with a 4 pixel rgb(225, 0, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 0, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 0, 159);  
box-shadow:4px 4px 4px 4px rgb(225, 0,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3093, 18.5108, 34.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 0, 159) }
```

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

```
.background{ background-color: rgb(225, 0,  
159) }
```

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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