

Converting Colors

XYZ(51.5624, 37.2012, 47.6505)

Have a look what the booklet for
XYZ(51.5624, 37.2012, 47.6505)
contains.

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Color

**XYZ(51.6851, 37.3465,
47.6645)**

Conversions

Conversions Part 1

Format	Color
Hex	EF81B4
RGB	239, 129, 180
RGB Percent	94%, 51%, 71%
CMY	0.0627, 0.4941, 0.2941
CMYK	0.00, 0.46, 0.25, 0.06
HSL	332°, 77%, 72%
HSV	332°, 46%, 94%
XYZ	51.6851, 37.3465, 47.6645
YIQ	167.7040, 49.1890, 39.1810

Conversions

Conversions Part 2

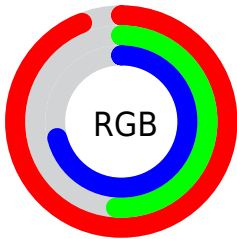
Format	Color
R _Y B	239, 129, 180
Decimal	15696308
CIE Lab	67.54, 48.04, -7.83
CIE LCh	68, 48.676, 350.741
Yxy	37.3465, 0.3781, 0.2732
Android (android.graphics.Color)	4293886388 (0xFFEF81B4)
YUV	167.7040, 6.0619, 62.5266
Hunter-Lab	61.1118, 44.0202, -3.4653

Details

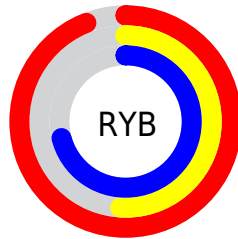
The XYZ color **51.6851, 37.3465, 47.6645** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **48.9986, 70.0321, 58.5154**, and the grayscale version is **37.0298, 38.9582, 42.4255**.

A 20% lighter version of the original color is **73.5208, 61.5971, 87.3713**, and **25.4713, 16.5249, 21.9258** is the 20% darker color. If you saturate the color by 10%, you get **47.6510, 31.2724, 40.1717**, and if you desaturate by 10%, it is **56.5783, 44.9449, 56.0404**.

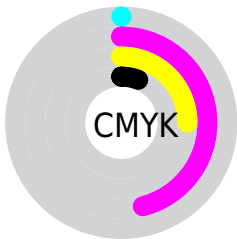
Distribution



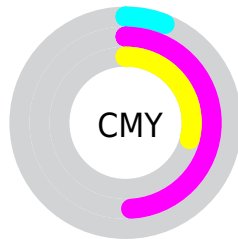
- Red (94%)
- Green (51%)
- Blue (71%)



- Red (94%)
- Yellow (51%)
- Blue (71%)



- Cyan (0%)
- Magenta (46%)
- Yellow (25%)
- Black (6%)





- Cyan (6%)
- Magenta (49%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6851, 37.3465, 47.6645 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 51.6851, 37.3465, 47.6645 by changing the saturation by 10% instead.


 51.6851, 37.3465,
47.6645


 51.6851, 37.3465,
47.6645


383.5637,
334.8083, 393.9310


 36.9774, 25.4759,
33.2032


 91.8436, 71.1054,
88.0650

 25.3636, 16.4320,
22.0097


 118.0252, 93.7624,
114.8413

 16.4783, 9.8303,
13.6657

 148.7621,
120.7838, 146.5596

 9.9562, 5.2866,
7.7524

184.4196,
152.5538, 183.6385

 5.4320, 2.4164,
3.8514

225.3632,
189.4568, 226.4966

 2.5402, 0.8343,
1.5442

271.9581,

 0.9156, 0.0000,

231.8773, 275.5523

0.2505

324.5699,
280.1997, 331.2243

■ 0.0000, 0.0000,
0.0000

■ 51.6851, 37.3465,
47.6645

■ 51.6851, 37.3465,
47.6645

■ 47.6510, 31.2724,
40.1717

■ 56.5783, 44.9449,
56.0404

■ 44.4175, 26.6115,
33.5253

■ 62.3776, 54.1574,
65.3294

■ 41.9232, 23.2467,
27.6886

■ 69.1303, 65.0735,
75.5626

■ 40.0960, 21.0388,
22.6197

■ 76.8791, 77.7741,
86.7686

■ 38.8467, 19.8159,
18.2705

■ 85.6644, 92.3353,
98.9747

■ 38.4552, 19.4942,
16.7181

■ 89.4068, 97.0908,
108.6359

Harmonies

Analogous

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



47.8509, 37.3465, 72.7321



51.6851, 37.3465, 47.6645



50.7333, 37.3465, 27.7407

Triad

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



51.6851, 37.3465, 47.6645



30.6386, 37.3465, 13.0097



27.1438, 37.3465, 81.6698

Complementary

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



51.6851, 37.3465, 47.6645



48.9986, 70.0321, 58.5154

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.



23.6642, 37.3465, 57.0825



51.6851, 37.3465, 47.6645



25.4761, 37.3465, 19.7557

Square

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



51.6851, 37.3465, 47.6645



37.8636, 37.3465, 12.0363



23.0998, 37.3465, 34.3848



33.2306, 37.3465, 96.4378

Rectangle

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



51.6851, 37.3465, 47.6645



47.5593, 37.3465, 19.2549



23.0998, 37.3465, 34.3848



25.6685, 37.3465, 73.9432

Sweetspot

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



51.6862, 37.3483, 47.6652



81.7685, 78.1272, 90.0137



44.0890, 32.5837, 85.6273



17.1081, 16.0806, 18.6867



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.



51.6862, 37.3483, 47.6652



55.5572, 36.7505, 47.2234



47.9025, 36.6216, 25.3150



16.0777, 15.8808, 17.9654



21.3159, 10.7988, 9.5800



1.8230, 0.9183, 1.0589

Inverse Universe

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



51.6862, 37.3483, 47.6652



55.5572, 36.7505, 47.2234



54.4384, 70.5078, 92.4019



16.0777, 15.8808, 17.9654



21.3159, 10.7988, 9.5800



1.8230, 0.9183, 1.0589

Previews

White Background



This preview shows how the XYZ color 51.6851, 37.3465, 47.6645 looks on a white background.

Color Contrast Check

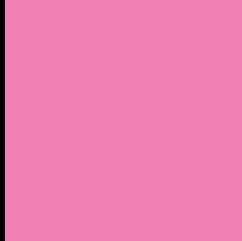
Large Text (above 18pt) WCAG AA × Fail

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 51.6851, 37.3465, 47.6645 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 ✓ Pass

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

XYZ 51.6851, 37.3465, 47.6645

Background



This preview shows how black text looks on a background with the XYZ color 51.6851, 37.3465, 47.6645.



This preview shows how white text looks on a background with the XYZ color 51.6851, 37.3465,

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

51.6851, 37.3465, 47.6645

Protanopia

37.4682, 37.5266, 61.1457

Deuteranopia

38.2132, 37.4669, 45.7752



Tritanopia

48.5845, 37.5165, 31.8749

Trichromacy



Original Color

51.6851, 37.3465, 47.6645



Protanomaly

41.0539, 36.4674, 55.9141



Deuteranomaly

42.2364, 36.8113, 46.4742



Tritanomaly

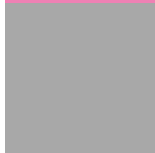
49.4841, 37.2482, 36.9293

Monochromacy



Original Color

51.6851, 37.3465, 47.6645



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

41.2501, 37.5591, 44.1052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6851, 37.3465, 47.6645 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(239, 129, 180)` looks like.

```
.text, #text, p{  
    color:rgb(239, 129, 180)  
}
```

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(239, 129, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 129, 180) }
```

Border

The CSS property to change the border of an element to XYZ 51.6851, 37.3465, 47.6645 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(239, 129, 180) }
```


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

```
.border{ border-color:rgb(239, 129, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 129, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 129, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 129, 180);  
box-shadow:4px 4px 4px 4px rgb(239, 129,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6851, 37.3465, 47.6645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 129, 180) }
```

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

```
.background{ background-color: rgb(239,  
129, 180) }
```

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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