

Converting Colors

XYZ(50.0893, 37.0908, 74.3816)

Have a look what the booklet for
XYZ(50.0893, 37.0908, 74.3816)
contains.

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Color

**XYZ(50.0076, 37.1027,
74.3379)**

Conversions

Conversions Part 1

Format	Color
Hex	D787DF
RGB	215, 135, 223
RGB Percent	84%, 53%, 87%
CMY	0.1569, 0.4706, 0.1255
CMYK	0.04, 0.39, 0.00, 0.13
HSL	295°, 58%, 70%
HSV	295°, 39%, 87%
XYZ	50.0076, 37.1027, 74.3379
YIQ	168.9520, 19.4320, 44.3280

Conversions

Conversions Part 2

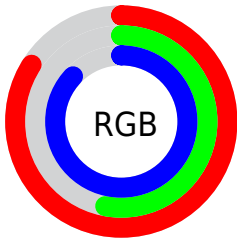
Format	Color
R _Y B	215, 135, 223
Decimal	14125023
CIE Lab	67.35, 44.36, -32.39
CIE LCh	67, 54.932, 323.863
Yxy	37.1027, 0.3097, 0.2298
Android (android.graphics.Color)	4292315103 (0xFFD787DF)
YUV	168.9520, 26.6457, 40.3841
Hunter-Lab	60.9120, 39.9492, -29.7200

Details

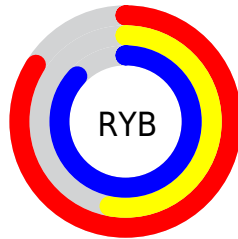
The XYZ color **50.0076, 37.1027, 74.3379** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **42.0897, 60.3651, 32.3566**, and the grayscale version is **37.5552, 39.5110, 43.0274**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **24.3664, 16.3475, 38.4303** is the 20% darker color. If you saturate the color by 10%, you get **46.6248, 31.2145, 73.3802**, and if you desaturate by 10%, it is **54.0518, 44.3011, 75.5147**.

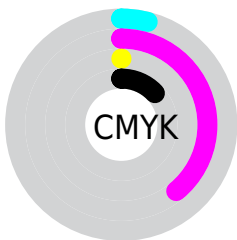
Distribution



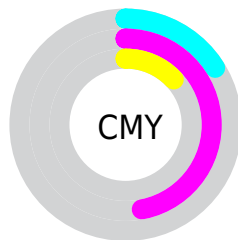
- Red (84%)
- Green (53%)
- Blue (87%)



- Red (84%)
- Yellow (53%)
- Blue (87%)



- Cyan (4%)
- Magenta (39%)
- Yellow (0%)
- Black (13%)





- Cyan (16%)
- Magenta (47%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0076, 37.1027, 74.3379 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 50.0076, 37.1027, 74.3379 by changing the saturation by 10% instead.


 50.0076, 37.1027,
74.3379


 50.0076, 37.1027,
74.3379

377.1472,
333.7549, 494.8333


 35.6373, 25.2870,
54.5722

 89.3779, 70.7307,
127.1131

 24.3230, 16.2910,
38.6630


 115.1086, 93.3118,
160.9598

 15.6994, 9.7303,
26.1919


 145.3567,
120.2502, 200.3371

 9.4012, 5.2205,
16.7402

180.4877,
151.9303, 245.6637

 5.0630, 2.3772,
9.8894

220.8669,
188.7364, 297.3580

 2.3194, 0.8141,
5.2211

266.8596,

 0.8046, 0.0000,

231.0529, 355.8387

2.3165

318.8313,
279.2643, 421.5243

■ 0.0000, 0.0000,
0.7405

■ 0.0000, 0.0000,
0.0000

■ 50.0076, 37.1027,
74.3379

■ 50.0076, 37.1027,
74.3379

■ 46.6248, 31.2145,
73.3802

■ 54.0518, 44.3011,
75.5147

■ 43.8587, 26.5496,
72.6256

■ 58.7912, 52.8797,
76.9208

■ 41.6648, 23.0183,
72.0596

■ 64.2617, 62.9094,
78.5684

■ 39.9911, 20.5165,
71.6649

■ 70.4956, 74.4548,
80.4683

■ 38.7758, 18.9209,
71.4210

■ 77.5232, 87.5766,
82.6307

■ 37.9172, 18.0278,
71.2939

■ 80.8099, 93.2054,
83.5439

■ 37.8744, 17.9863,
71.2881

■ 81.4537, 93.5373,
83.5740

■ 82.1050, 93.8731,
83.6045

■ 82.7640, 94.2128,
83.6354

Harmonies

Analogous

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



42.2217, 37.1027, 99.2977



50.0076, 37.1027, 74.3379



53.9162, 37.1027, 45.5564

Triad

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



50.0076, 37.1027, 74.3379



37.0228, 37.1027, 9.6262



22.4444, 37.1027, 62.1861

Complementary

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



50.0076, 37.1027, 74.3379



42.0897, 60.3651, 32.3566

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.



21.5034, 37.1027, 35.6455



50.0076, 37.1027, 74.3379



29.1178, 37.1027, 11.1172

Square

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



50.0076, 37.1027, 74.3379



45.6898, 37.1027, 13.3469



23.7484, 37.1027, 18.7750



26.5603, 37.1027, 90.5477

Rectangle

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



50.0076, 37.1027, 74.3379



53.4155, 37.1027, 30.2848



23.7484, 37.1027, 18.7750



21.7767, 37.1027, 52.5452

Sweetspot

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



50.0088, 37.1043, 74.3387



85.0373, 81.4828, 105.8535



33.2554, 30.3663, 73.9211



17.9878, 17.0482, 22.5925



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.



50.0088, 37.1043, 74.3387



64.0797, 43.8418, 99.6927



48.1521, 36.6396, 51.9996



14.1657, 13.8690, 17.3181



22.3199, 10.6016, 41.9183



1.5835, 0.7536, 2.9072

Inverse Universe

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



44.0545, 35.0006, 30.4219



55.1167, 40.7065, 32.1645



43.6552, 60.8370, 47.5729



13.7576, 13.7207, 14.4936



17.9867, 9.2617, 1.3297



1.2644, 0.6490, 0.1851

Previews

White Background



This preview shows how the XYZ color 50.0076, 37.1027, 74.3379 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 50.0076, 37.1027, 74.3379 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 50.0076, 37.1027, 74.3379

Background



This preview shows how black text looks on a background with the XYZ color 50.0076, 37.1027, 74.3379.



This preview shows how white text looks on a background with the XYZ color 50.0076, 37.1027,

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

50.0076, 37.1027, 74.3379

Protanopia

39.4028, 37.6066, 90.7700

Deuteranopia

38.3377, 37.4819, 71.5438



Tritanopia

42.3887, 36.8397, 38.1344

Trichromacy



Original Color

50.0076, 37.1027, 74.3379



Protanomaly

41.8856, 36.5119, 84.1968



Deuteranomaly

41.6021, 36.6225, 72.5863



Tritanomaly

44.6642, 36.6191, 49.5139

Monochromacy



Original Color

50.0076, 37.1027, 74.3379



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

41.4920, 38.2272, 53.3358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0076, 37.1027, 74.3379 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(215, 135, 223)` looks like.

```
.text, #text, p{  
    color:rgb(215, 135, 223)  
}
```

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(215, 135, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 135, 223) }
```

Border

The CSS property to change the border of an element to XYZ 50.0076, 37.1027, 74.3379 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(215, 135, 223) }
```


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

```
.border{ border-color:rgb(215, 135, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 135, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 135, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 135, 223);  
box-shadow:4px 4px 4px 4px rgb(215, 135,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0076, 37.1027, 74.3379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 135, 223) }
```

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

```
.background{ background-color: rgb(215,  
135, 223) }
```

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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