

Converting Colors

XYZ(50.1751, 36.9431, 76.1550)

Have a look what the booklet for
XYZ(50.1751, 36.9431, 76.1550)
contains.

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Color

**XYZ(50.2769, 36.9883,
76.4411)**

Conversions

Conversions Part 1

Format	Color
Hex	D786E2
RGB	215, 134, 226
RGB Percent	84%, 53%, 89%
CMY	0.1569, 0.4745, 0.1137
CMYK	0.05, 0.41, 0.00, 0.11
HSL	293°, 61%, 71%
HSV	293°, 41%, 89%
XYZ	50.2769, 36.9883, 76.4411
YIQ	168.7070, 18.7440, 45.7840

Conversions

Conversions Part 2

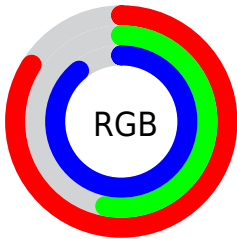
Format	Color
R _Y B	215, 134, 226
Decimal	14124770
CIE Lab	67.27, 45.46, -34.19
CIE LCh	67, 56.878, 323.053
Yxy	36.9883, 0.3071, 0.2259
Android (android.graphics.Color)	4292314850 (0xFFD786E2)
YUV	168.7070, 28.2454, 40.5990
Hunter-Lab	60.8180, 41.1305, -31.9480

Details

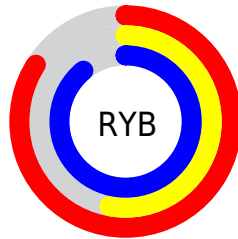
The XYZ color **50.2769, 36.9883, 76.4411** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **43.1778, 62.1346, 32.2735**, and the grayscale version is **37.4271, 39.3762, 42.8807**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **24.5711, 16.3078, 39.8829** is the 20% darker color. If you saturate the color by 10%, you get **46.6941, 30.9901, 75.4727**, and if you desaturate by 10%, it is **54.5427, 44.3313, 77.6342**.

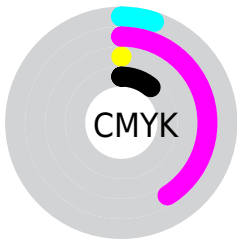
Distribution



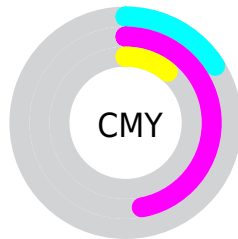
- Red (84%)
- Green (53%)
- Blue (89%)



- Red (84%)
- Yellow (53%)
- Blue (89%)



- Cyan (5%)
- Magenta (41%)
- Yellow (0%)
- Black (11%)





- Cyan (16%)
- Magenta (47%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2769, 36.9883, 76.4411 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 50.2769, 36.9883, 76.4411 by changing the saturation by 10% instead.


 50.2769, 36.9883,
76.4411

 50.2769, 36.9883,
76.4411

378.1819,
333.2599, 502.2433


 35.8522, 25.1984,
56.2855

 89.7744, 70.5548,
130.1160

 24.4896, 16.2250,
40.0263


 115.5778, 93.1002,
164.4724

 15.8239, 9.6835,
27.2451


 145.9049,
119.9996, 204.3994

 9.4897, 5.1896,
17.5233

181.1209,
151.6373, 250.3156

 5.1216, 2.3589,
10.4424

221.5913,
188.3978, 302.6396

 2.3543, 0.8046,
5.5839

267.6813,

 0.8222, 0.0000,

230.6655, 361.7898

2.5291

319.7564,
278.8247, 428.1849

■ 0.0000, 0.0000,
0.8555

■ 0.0000, 0.0000,
0.0000

■ 50.2769, 36.9883,
76.4411

■ 50.2769, 36.9883,
76.4411

■ 46.6941, 30.9901,
75.4727

■ 54.5427, 44.3313,
77.6342

■ 43.7476, 26.2460,
74.7123


■ 59.5270, 53.0926,
79.0626


■ 41.3906, 22.6617,
74.1447


■ 65.2671, 63.3458,
80.7391


■ 39.5684, 20.1278,
73.7516


■ 71.7968, 75.1585,
82.6750


 38.2154, 18.5132,
73.5113


 79.1476, 88.5937,
84.8808

 37.2754, 17.6304,
73.3904

 82.5118, 94.0356,
85.7539

 83.3918, 94.4893,
85.7951

 84.2854, 94.9499,
85.8369

 85.1925, 95.4176,
85.8794

Harmonies

Analogous

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



42.1156, 36.9883, 102.3255



50.2769, 36.9883, 76.4411



54.4941, 36.9883, 46.3455

Triad

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



50.2769, 36.9883, 76.4411



37.2168, 36.9883, 8.9952



21.9107, 36.9883, 62.0760

Complementary

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



50.2769, 36.9883, 76.4411



43.1778, 62.1346, 32.2735

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.



21.0383, 36.9883, 34.7573



50.2769, 36.9883, 76.4411



29.0092, 36.9883, 10.3345

Square

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



50.2769, 36.9883, 76.4411



46.1899, 36.9883, 12.8531



23.4191, 36.9883, 17.8099



26.0366, 36.9883, 91.9195

Rectangle

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



50.2769, 36.9883, 76.4411



54.0811, 36.9883, 30.4016



23.4191, 36.9883, 17.8099



21.2586, 36.9883, 52.0810

Sweetspot

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



50.2782, 36.9899, 76.4419



84.7201, 81.3193, 105.8387



33.8806, 31.2012, 76.1888



17.9126, 17.0094, 22.5890



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.



50.2782, 36.9899, 76.4419



61.9951, 41.7345, 99.3958



49.4343, 37.0381, 54.5692



14.1253, 13.8481, 17.3162



21.3324, 10.0926, 41.8721



1.5248, 0.7233, 2.9045

Inverse Universe

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



45.0012, 35.2649, 31.2247



54.3393, 39.2826, 31.5020



44.0723, 62.2792, 46.6156



13.7736, 13.7271, 14.5778



18.0289, 9.2786, 1.5520



1.2720, 0.6521, 0.2252

Previews

White Background



This preview shows how the XYZ color 50.2769, 36.9883, 76.4411 looks on a white background.

Color Contrast Check

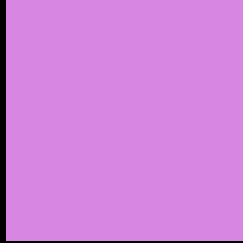
Large Text (above 18pt) WCAG AA × Fail

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 50.2769, 36.9883, 76.4411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

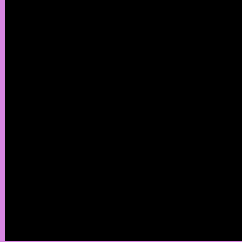
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2769, 36.9883, 76.4411

Background



This preview shows how black text looks on a background with the XYZ color 50.2769, 36.9883, 76.4411.



This preview shows how white text looks on a background with the XYZ color 50.2769, 36.9883,

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

50.2769, 36.9883, 76.4411

Protanopia

39.5197, 37.3354, 93.9305

Deuteranopia

38.1842, 37.3570, 73.6047



Tritanopia

42.3887, 36.8397, 38.1344

Trichromacy



Original Color

50.2769, 36.9883, 76.4411



Protanomaly

41.8990, 36.2110, 87.2192



Deuteranomaly

41.5608, 36.5548, 74.6773



Tritanomaly

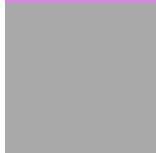
44.7687, 36.6609, 50.0641

Monochromacy



Original Color

50.2769, 36.9883, 76.4411



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

41.4324, 37.9337, 53.8534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2769, 36.9883, 76.4411 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, 134, 226)` looks like.

```
.text, #text, p{  
    color:rgb(215, 134, 226)  
}
```

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, 134, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 134, 226) }
```

Border

The CSS property to change the border of an element to XYZ 50.2769, 36.9883, 76.4411 is called "border". The border property can be set on classes, ids or directly on the HTML element.

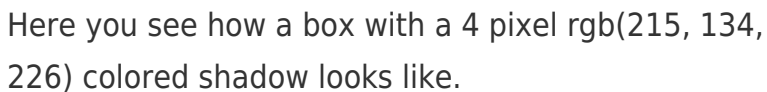
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 134, 226) }
```


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

```
.border{ border-color:rgb(215, 134, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 134, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 134, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 134, 226); box-shadow:4px 4px 4px 4px rgb(215, 134, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2769, 36.9883, 76.4411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 134, 226) }
```

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

```
.background{ background-color: rgb(215,  
134, 226) }
```

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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