

Converting Colors

XYZ(49.6581, 36.8860, 75.6786)

Have a look what the booklet for
XYZ(49.6581, 36.8860, 75.6786)
contains.

XYZ(49.6952, 36.9103, 75.7393)	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(49.6952, 36.9103,
75.7393)**

Conversions

Conversions Part 1

Format	Color
Hex	D587E1
RGB	213, 135, 225
RGB Percent	84%, 53%, 88%
CMY	0.1647, 0.4706, 0.1176
CMYK	0.05, 0.40, 0.00, 0.12
HSL	292°, 60%, 71%
HSV	292°, 40%, 88%
XYZ	49.6952, 36.9103, 75.7393
YIQ	168.5820, 17.5980, 44.5260

Conversions

Conversions Part 2

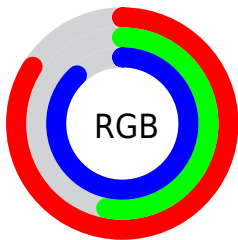
Format	Color
R _Y B	213, 135, 225
Decimal	13993953
CIE Lab	67.21, 44.14, -33.74
CIE LCh	67, 55.563, 322.605
Yxy	36.9103, 0.3061, 0.2274
Android (android.graphics.Color)	4292184033 (0xFFD587E1)
YUV	168.5820, 27.8141, 38.9546
Hunter-Lab	60.7538, 39.6895, -31.3867

Details

The XYZ color **49.6952, 36.9103, 75.7393** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **43.3321, 61.8035, 32.5687**, and the grayscale version is **37.3680, 39.3140, 42.8130**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **24.1593, 16.2192, 39.3934** is the 20% darker color. If you saturate the color by 10%, you get **46.0196, 30.8382, 74.7615**, and if you desaturate by 10%, it is **54.0526, 44.3205, 76.9405**.

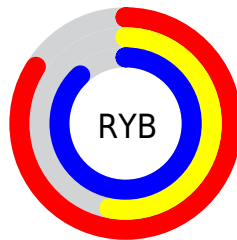
Distribution



Red (84%)

Green (53%)

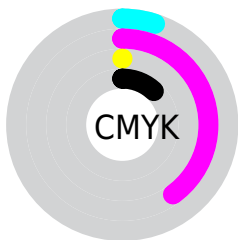
Blue (88%)



Red (84%)

Yellow (53%)

Blue (88%)

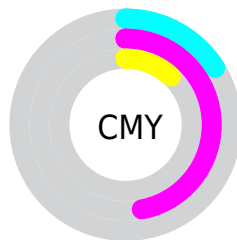


Cyan (5%)

Magenta (40%)

Yellow (0%)

Black (12%)



Cyan (16%)


Magenta (47%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6952, 36.9103, 75.7393 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 49.6952, 36.9103, 75.7393 by changing the saturation by 10% instead.


 49.6952, 36.9103,
75.7393

 49.6952, 36.9103,
75.7393


375.9445,
332.9220, 499.7779


 35.3881, 25.1380,
55.7134


 88.9176, 70.4348,
129.1150

 24.1299, 16.1799,
39.5707


 114.5637, 92.9558,
163.3019

 15.5553, 9.6516,
26.8928


 144.7200,
119.8286, 203.0462

 9.2988, 5.1686,
17.2610

179.7521,
151.4375, 248.7665

 4.9953, 2.3465,
10.2568

220.0252,
188.1669, 300.8813

 2.2792, 0.7982,
5.4617

265.9048,

 0.7840, 0.0000,

230.4011, 359.8090

2.4572

317.7561,
278.5247, 425.9684

■ 0.0000, 0.0000,
0.8174

■ 0.0000, 0.0000,
0.0000

■ 49.6952, 36.9103,
75.7393

■ 49.6952, 36.9103,
75.7393

■ 46.0196, 30.8382,
74.7615

■ 54.0526, 44.3205,
76.9405

■ 42.9800, 26.0151,
73.9908

■ 59.1268, 53.1410,
78.3756

■ 40.5305, 22.3485,
73.4122

■ 64.9545, 63.4444,
80.0572

■ 38.6174, 19.7313,
73.0078

■ 71.5689, 75.2970,
81.9964

■ 37.1768, 18.0357,
72.7565

■ 79.0013, 88.7611,
84.2035

■ 36.0972, 17.0389,
72.6210

■ 82.3060, 93.9454,
85.0300

■ 36.0971, 17.0387,
72.6210

■ 83.2826, 94.4488,
85.0757

■ 84.2759, 94.9609,
85.1221

■ 85.2860, 95.4816,
85.1694

Harmonies

Analogous

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



41.7299, 36.9103, 100.5455



49.6952, 36.9103, 75.7393



53.8621, 36.9103, 46.5032

Triad

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



49.6952, 36.9103, 75.7393



37.2226, 36.9103, 9.3908



22.0804, 36.9103, 60.9423

Complementary

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



49.6952, 36.9103, 75.7393



43.3321, 61.8035, 32.5687

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.



21.2701, 36.9103, 34.4740



49.6952, 36.9103, 75.7393



29.1808, 36.9103, 10.6574

Square

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



49.6952, 36.9103, 75.7393



45.9446, 36.9103, 13.3354



23.6576, 36.9103, 17.9783



26.0828, 36.9103, 89.8720

Rectangle

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



49.6952, 36.9103, 75.7393



53.5203, 36.9103, 30.8356



23.6576, 36.9103, 17.9783



21.4550, 36.9103, 51.2651

Sweetspot

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



49.6964, 36.9119, 75.7401



84.5682, 81.2410, 105.8316



34.0174, 31.4562, 75.5134



17.8767, 16.9909, 22.5873



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.



49.6964, 36.9119, 75.7401



61.8719, 42.1810, 99.4885



49.2308, 37.1427, 54.4449



14.1059, 13.8381, 17.3152



20.8726, 9.8555, 41.8506



1.4973, 0.7092, 2.9032

Inverse Universe

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



44.9829, 35.4435, 32.0755



54.9912, 40.0931, 33.2402



43.9860, 61.8293, 46.6632



13.7813, 13.7301, 14.6183



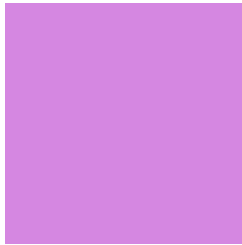
18.0525, 9.2880, 1.6762



1.2756, 0.6535, 0.2444

Previews

White Background



This preview shows how the XYZ color 49.6952, 36.9103, 75.7393 looks on a white background.

Color Contrast Check

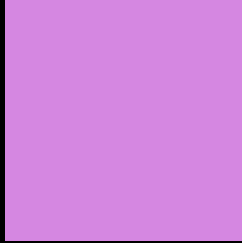
Large Text (above 18pt) WCAG AA × Fail

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 49.6952, 36.9103, 75.7393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

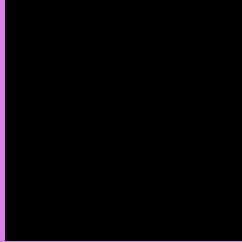
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6952, 36.9103, 75.7393

Background



This preview shows how black text looks on a background with the XYZ color 49.6952, 36.9103, 75.7393.



This preview shows how white text looks on a background with the XYZ color 49.6952, 36.9103,

75.7393.

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

49.6952, 36.9103, 75.7393

Protanopia

39.3711, 37.2945, 92.3122

Deuteranopia

38.2330, 37.3975, 72.9135



Tritanopia

41.9944, 36.8703, 38.1610

Trichromacy



Original Color

49.6952, 36.9103, 75.7393



Protanomaly

41.7651, 36.4160, 85.7167



Deuteranomaly

41.4263, 36.5011, 73.9692



Tritanomaly

44.3571, 36.6726, 50.0880

Monochromacy



Original Color

49.6952, 36.9103, 75.7393



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

41.2499, 38.1024, 53.3245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6952, 36.9103, 75.7393 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(213, 135, 225)` looks like.

```
.text, #text, p{  
    color:rgb(213, 135, 225)  
}
```

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(213, 135, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 135, 225) }
```

Border

The CSS property to change the border of an element to XYZ 49.6952, 36.9103, 75.7393 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(213, 135, 225) }
```


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

```
.border{ border-color:rgb(213, 135, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 135, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 135, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 135, 225);  
box-shadow:4px 4px 4px 4px rgb(213, 135,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6952, 36.9103, 75.7393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 135, 225) }
```

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

```
.background{ background-color: rgb(213,  
135, 225) }
```

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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