

Converting Colors

XYZ(43.6577, 36.1111, 70.7688)

Have a look what the booklet for
XYZ(43.6577, 36.1111, 70.7688)
contains.

XYZ(43.7666, 36.1316, 70.9970)	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(43.7666, 36.1316,
70.9970)**

Conversions

Conversions Part 1

Format	Color
Hex	BD91DA
RGB	189, 145, 218
RGB Percent	74%, 57%, 85%
CMY	0.2588, 0.4314, 0.1451
CMYK	0.13, 0.33, 0.00, 0.15
HSL	276°, 50%, 71%
HSV	276°, 33%, 85%
XYZ	43.7666, 36.1316, 70.9970
YIQ	166.4780, 2.7910, 32.0310

Conversions

Conversions Part 2

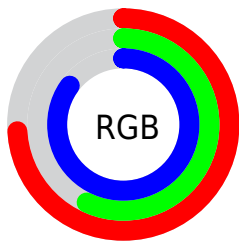
Format	Color
RYB	189, 145, 218
Decimal	12423642
CIELab	66.62, 29.98, -30.98
CIELCh	67, 43.113, 314.062
Yxy	36.1316, 0.2900, 0.2394
Android (android.graphics.Color)	4290613722 (0xFFBD91DA)
YUV	166.4780, 25.4003, 19.7518
Hunter-Lab	60.1096, 24.7766, -27.9523

Details

The XYZ color **43.7666, 36.1316, 70.9970** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.6389, 61.1867, 36.0890**, and the grayscale version is **36.3578, 38.2512, 41.6556**.

A 20% lighter version of the original color is **76.4795, 67.6597, 103.6365**, and **20.6052, 15.8006, 36.6141** is the 20% darker color. If you saturate the color by 10%, you get **38.6654, 29.0229, 69.8943**, and if you desaturate by 10%, it is **49.6377, 44.5876, 72.3203**.

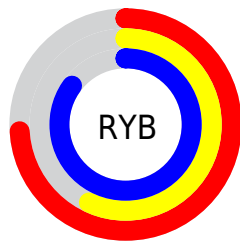
Distribution



Red (74%)

Green (57%)

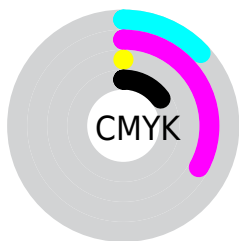
Blue (85%)



Red (74%)

Yellow (57%)

Blue (85%)

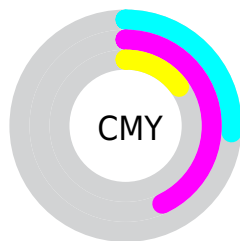


Cyan (13%)

Magenta (33%)

Yellow (0%)

Black (15%)



Cyan (26%)


Magenta (43%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7666, 36.1316, 70.9970 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 43.7666, 36.1316, 70.9970 by changing the saturation by 10% instead.


 43.7666, 36.1316,
70.9970


 43.7666, 36.1316,
70.9970

352.6233,
329.5354, 482.9263

 30.6842, 24.5359,
51.8579

 80.1149, 69.2351,
122.3239

 20.5091, 15.7316,
36.5104

 104.1116, 91.5117,
155.3487

 12.8761, 9.3344,
24.5358

132.4770,
118.1174, 193.8393

 7.4197, 4.9599,
15.5157

165.5766,
149.4365, 238.2141

 3.7746, 2.2238,
9.0315

203.7756,
185.8534, 288.8917

 1.5754, 0.7329,
4.6646

247.4395,

 0.3763, 0.0000,

227.7526, 346.2905

1.9966

296.9336,
275.5185, 410.8292

■ 0.0000, 0.0000,
0.5532

■ 0.0000, 0.0000,
0.0000

■ 43.7666, 36.1316,
70.9970

■ 43.7666, 36.1316,
70.9970

■ 38.6654, 29.0229,
69.8943

■ 49.6377, 44.5876,
72.3203

■ 34.2914, 23.1826,
68.9976

■ 56.3108, 54.4552,
73.8732

■ 30.6034, 18.5302,
68.2939

■ 63.8209, 65.7995,
75.6671

■ 27.5534, 14.9739,
67.7682

■ 72.1992, 78.6807,
77.7118

■ 25.0869, 12.4076,
67.4029

■ 81.4755, 93.1551,
80.0167

■ 23.1380, 10.7034,
67.1767

■ 84.6783, 95.2764,
80.2574

■ 22.0768, 9.9191,
67.0812

■ 87.7048, 96.8366,
80.3990

■ 89.6550, 97.8420,
80.4903

Harmonies

Analogous

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



37.4624, 36.1316, 85.1598



43.7666, 36.1316, 70.9970



47.7854, 36.1316, 49.9880

Triad

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



43.7666, 36.1316, 70.9970



37.8821, 36.1316, 14.0199



23.6084, 36.1316, 48.6739

Complementary

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



43.7666, 36.1316, 70.9970



47.6389, 61.1867, 36.0890

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.



23.6908, 36.1316, 30.3248



43.7666, 36.1316, 70.9970



31.3999, 36.1316, 13.8683

Square

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



43.7666, 36.1316, 70.9970



44.1070, 36.1316, 19.3616



26.3779, 36.1316, 18.8505



26.1364, 36.1316, 69.7778

Rectangle

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



43.7666, 36.1316, 70.9970



48.3461, 36.1316, 36.8649



26.3779, 36.1316, 18.8505



23.3426, 36.1316, 41.9259

Sweetspot

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



43.7678, 36.1331, 70.9978



83.8187, 82.9248, 106.1961



39.5080, 41.4326, 72.2452



17.6241, 17.2734, 22.6552



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.



43.7678, 36.1331, 70.9978



57.3130, 44.3709, 100.1515



50.7601, 39.8457, 66.4474



13.0878, 13.0034, 16.4722



13.3505, 6.0066, 40.1941



0.9610, 0.4387, 2.6085

Inverse Universe

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



46.6799, 38.2137, 44.9614



62.3150, 47.9160, 56.7213



42.4418, 58.4403, 38.8795



13.2692, 13.1368, 14.6790



18.3928, 9.3581, 6.4484



1.2333, 0.6230, 0.6376

Previews

White Background



This preview shows how the XYZ color 43.7666, 36.1316, 70.9970 looks on a white background.

Color Contrast Check

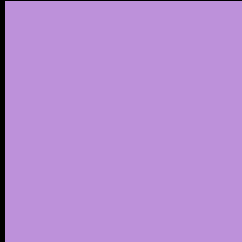
Large Text (above 18pt) WCAG AA × Fail

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 43.7666, 36.1316, 70.9970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

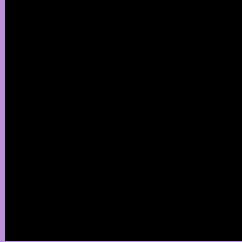
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.7666, 36.1316, 70.9970

Background



This preview shows how black text looks on a background with the XYZ color 43.7666, 36.1316, 70.9970.



This preview shows how white text looks on a background with the XYZ color 43.7666, 36.1316,

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

43.7666, 36.1316, 70.9970

Protanopia

37.8382, 36.5175, 79.9172

Deuteranopia

37.2310, 36.4375, 69.3608



Tritanopia

37.7525, 36.0565, 41.5290

Trichromacy



Original Color

43.7666, 36.1316, 70.9970

Protanomaly

39.5494, 36.2028, 76.8549

Deuteranomaly

39.4259, 36.2931, 69.8930

Tritanomaly

39.6967, 35.8687, 51.2855

Monochromacy



Original Color

43.7666, 36.1316, 70.9970

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

38.4394, 36.9552, 51.0060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7666, 36.1316, 70.9970 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(189, 145, 218)` looks like.

```
.text, #text, p{  
    color:rgb(189, 145, 218)  
}
```

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(189, 145, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 145, 218) }
```

Border

The CSS property to change the border of an element to XYZ 43.7666, 36.1316, 70.9970 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(189, 145, 218) }
```


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

```
.border{ border-color:rgb(189, 145, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 145, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 145, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 145, 218);  
box-shadow:4px 4px 4px 4px rgb(189, 145,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7666, 36.1316, 70.9970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 145, 218) }
```

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

```
.background{ background-color: rgb(189,  
145, 218) }
```

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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