

Converting Colors

XYZ(48.7384, 36.6320, 74.4367)

Have a look what the booklet for
XYZ(48.7384, 36.6320, 74.4367)
contains.

XYZ(48.7018, 36.6377, 74.3169)	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(48.7018, 36.6377,
74.3169)**

Conversions

Conversions Part 1

Format	Color
Hex	D288DF
RGB	210, 136, 223
RGB Percent	82%, 53%, 87%
CMY	0.1765, 0.4666, 0.1255
CMYK	0.06, 0.39, 0.00, 0.13
HSL	291°, 58%, 70%
HSV	291°, 39%, 87%
XYZ	48.7018, 36.6377, 74.3169
YIQ	168.0440, 16.1770, 42.7450

Conversions

Conversions Part 2

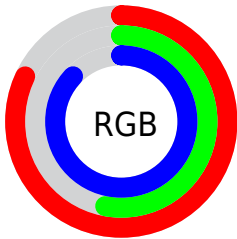
Format	Color
RYB	210, 136, 223
Decimal	13797599
CIELab	67.00, 42.33, -32.98
CIElCh	67, 53.659, 322.074
Yxy	36.6377, 0.3050, 0.2295
Android (android.graphics.Color)	4291987679 (0xFFD288DF)
YUV	168.0440, 27.0933, 36.7954
Hunter-Lab	60.5291, 37.6955, -30.4252

Details

The XYZ color **48.7018, 36.6377, 74.3169** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **43.2272, 60.9433, 32.7792**, and the grayscale version is **37.1078, 39.0403, 42.5149**.

A 20% lighter version of the original color is **77.9208, 65.7416, 103.1903**, and **23.4718, 16.0007, 38.4106** is the 20% darker color. If you saturate the color by 10%, you get **44.9433, 30.5137, 73.3335**, and if you desaturate by 10%, it is **53.1358, 44.0817, 75.5206**.

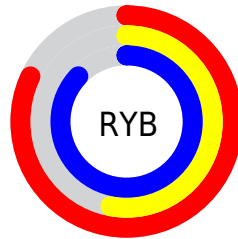
Distribution



Red (82%)

Green (53%)

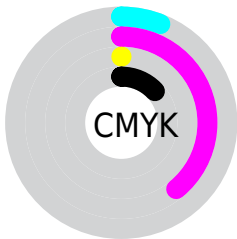
Blue (87%)



Red (82%)

Yellow (53%)

Blue (87%)

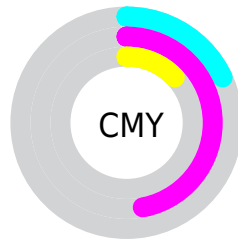


Cyan (6%)

Magenta (39%)

Yellow (0%)

Black (13%)



Cyan (18%)

Magenta (47%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7018, 36.6377, 74.3169 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 48.7018, 36.6377, 74.3169 by changing the saturation by 10% instead.


 48.7018, 36.6377,
74.3169

 48.7018, 36.6377,
74.3169

372.1036,
331.7393, 494.7590


 34.5965, 24.9271,
54.5551


 87.4518, 70.0152,
127.0831

 23.5173, 16.0228,
38.6494


 112.8272, 92.4509,
160.9246

 15.0987, 9.5403,
26.1814


 142.6901,
119.2304, 200.2964

 8.9755, 5.0952,
16.7324

177.4058,
150.7382, 245.6171

 4.7822, 2.3032,
9.8840

217.3397,
187.3586, 297.3051

 2.1535, 0.7754,
5.2175

262.8570,

 0.7180, 0.0000,

229.4759, 355.7791

2.3145

314.3232,
277.4747, 421.4575

■ 0.0000, 0.0000,
0.7393

■ 0.0000, 0.0000,
0.0000

■ 48.7018, 36.6377,
74.3169

■ 48.7018, 36.6377,
74.3169

■ 44.9433, 30.5137,
73.3335

■ 53.1358, 44.0817,
75.5206

■ 41.8158, 25.6232,
72.5544

■ 58.2791, 52.9156,
76.9546

■ 39.2748, 21.8770,
71.9652

■ 64.1674, 63.2100,
78.6313

■ 37.2686, 19.1715,
71.5487

■ 70.8333, 75.0295,
80.5614

■ 35.7360, 17.3844,
71.2846

■ 78.3069, 88.4346,
82.7549

■ 34.5808, 16.3239,
71.1408

■ 81.7106, 93.6698,
83.5860

■ 34.4747, 16.2337,
71.1289

■ 82.7903, 94.2264,
83.6365

■ 83.8905, 94.7935,
83.6880

■ 85.0113, 95.3713,
83.7405

Harmonies

Analogous

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



41.0492, 36.6377, 97.5969



48.7018, 36.6377, 74.3169



52.7607, 36.6377, 46.4053

Triad

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



48.7018, 36.6377, 74.3169



37.0286, 36.6377, 9.9104



22.2280, 36.6377, 59.2429

Complementary

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



48.7018, 36.6377, 74.3169



43.2272, 60.9433, 32.7792

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.



21.4957, 36.6377, 34.0190



48.7018, 36.6377, 74.3169



29.2606, 36.6377, 11.0843

Square

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



48.7018, 36.6377, 74.3169



45.3683, 36.6377, 13.9333



23.8685, 36.6377, 18.1797



26.0532, 36.6377, 86.7879

Rectangle

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



48.7018, 36.6377, 74.3169



52.5013, 36.6377, 31.2231



23.8685, 36.6377, 18.1797



21.6388, 36.6377, 50.0337

Sweetspot

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



48.7030, 36.6393, 74.3177



84.3911, 81.1497, 105.8233



34.2295, 32.0744, 74.1994



17.8347, 16.9693, 22.5854



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.



48.7030, 36.6393, 74.3177



61.6907, 42.6102, 99.5809



48.8122, 37.1280, 54.7842



14.0833, 13.8265, 17.3142



20.3466, 9.5844, 41.8259



1.4657, 0.6929, 2.9017

Inverse Universe

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



44.6616, 35.4678, 32.9273



55.6795, 40.9317, 35.1281



43.4666, 60.7802, 45.7356



13.7903, 13.7337, 14.6658



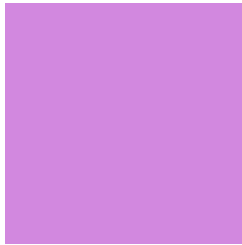
18.0829, 9.3002, 1.8364



1.2799, 0.6552, 0.2669

Previews

White Background



This preview shows how the XYZ color 48.7018, 36.6377, 74.3169 looks on a white background.

Color Contrast Check

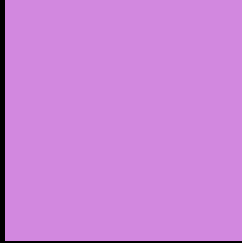
Large Text (above 18pt) WCAG AA × Fail

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 48.7018, 36.6377, 74.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

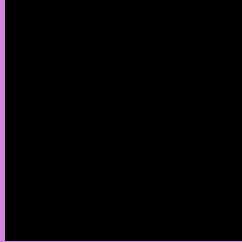
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7018, 36.6377, 74.3169

Background



This preview shows how black text looks on a background with the XYZ color 48.7018, 36.6377, 74.3169.



This preview shows how white text looks on a background with the XYZ color 48.7018, 36.6377,

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

48.7018, 36.6377, 74.3169

Protanopia

39.0759, 37.1950, 89.9139

Deuteranopia

37.7942, 36.9413, 71.4681



Tritanopia

41.2679, 36.4856, 38.5856

Trichromacy



Original Color

48.7018, 36.6377, 74.3169



Protanomaly

41.4728, 36.2991, 84.1775



Deuteranomaly

40.9411, 36.2817, 72.5554



Tritanomaly

43.5268, 36.2446, 50.0492

Monochromacy



Original Color

48.7018, 36.6377, 74.3169



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

40.4940, 37.4751, 52.6761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7018, 36.6377, 74.3169 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(210, 136, 223)` looks like.

```
.text, #text, p{  
    color:rgb(210, 136, 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(210, 136, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 136, 223) }
```

Border

The CSS property to change the border of an element to XYZ 48.7018, 36.6377, 74.3169 is called "border". The border property can be set on classes, ids or directly on the HTML element.

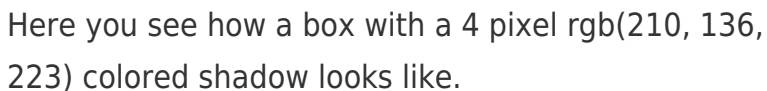
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(210, 136, 223) }
```


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

```
.border{ border-color:rgb(210, 136, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(210, 136, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 136, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 136, 223);  
box-shadow:4px 4px 4px 4px rgb(210, 136,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7018, 36.6377, 74.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 136, 223) }
```

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

```
.background{ background-color: rgb(210,  
136, 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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