

Converting Colors

XYZ(48.3104, 36.0321, 71.6338)

Have a look what the booklet for
XYZ(48.3104, 36.0321, 71.6338)
contains.

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Color

**XYZ(48.1752, 36.0136,
71.4300)**

Conversions

Conversions Part 1

Format	Color
Hex	D386DB
RGB	211, 134, 219
RGB Percent	83%, 53%, 86%
CMY	0.1725, 0.4745, 0.1412
CMYK	0.04, 0.39, 0.00, 0.14
HSL	294°, 54%, 69%
HSV	294°, 39%, 86%
XYZ	48.1752, 36.0136, 71.4300
YIQ	166.7130, 18.6070, 42.7590

Conversions

Conversions Part 2

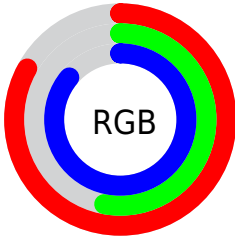
Format	Color
R_{YB}	211, 134, 219
Decimal	13862619
CIE _{Lab}	66.53, 42.92, -31.49
CIE _{LCh}	67, 53.233, 323.736
Yxy	36.0136, 0.3096, 0.2314
Android (android.graphics.Color)	4292052699 (0xFFD386DB)
YUV	166.7130, 25.7775, 38.8397
Hunter-Lab	60.0113, 38.2743, -28.5635

Details

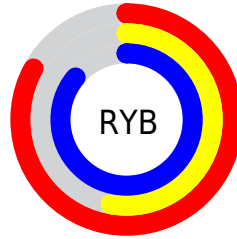
The XYZ color **48.1752, 36.0136, 71.4300** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **40.7912, 58.1360, 31.6275**, and the grayscale version is **36.4645, 38.3635, 41.7779**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **23.2357, 15.6835, 36.9245** is the 20% darker color. If you saturate the color by 10%, you get **44.8696, 30.2726, 70.4966**, and if you desaturate by 10%, it is **52.1175, 43.0151, 72.5742**.

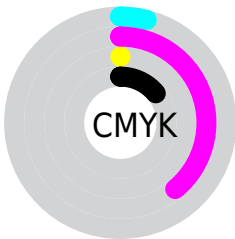
Distribution



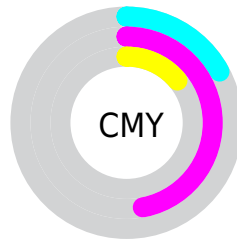
- Red (83%)
- Green (53%)
- Blue (86%)



- Red (83%)
- Yellow (53%)
- Blue (86%)



- Cyan (4%)
- Magenta (39%)
- Yellow (0%)
- Black (14%)





- Cyan (17%)
- Magenta (47%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1752, 36.0136, 71.4300 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 48.1752, 36.0136, 71.4300 by changing the saturation by 10% instead.


 48.1752, 36.0136,
71.4300


 48.1752, 36.0136,
71.4300

370.0572,
329.0200, 484.4793


 34.1775, 24.4447,
52.2092


 86.6733, 69.0531,
122.9460

 23.1935, 15.6638,
36.7885


 111.9044, 91.2924,
156.0782

 14.8579, 9.2866,
24.7492


 141.6107,
117.8574, 194.6847

 8.8054, 4.9286,
15.6730

176.1575,
149.1323, 239.1839

 4.6706, 2.2054,
9.1412

215.9102,
185.5016, 289.9944

 2.0881, 0.7229,
4.7353

261.2342,

 0.6827, 0.0000,

227.3498, 347.5348

2.0368

312.4947,
275.0611, 412.2236

■ 0.0000, 0.0000,
0.5778

■ 0.0000, 0.0000,
0.0000

■ 48.1752, 36.0136,
71.4300

■ 48.1752, 36.0136,
71.4300

■ 44.8696, 30.2726,
70.4966

■ 52.1175, 43.0151,
72.5742

■ 42.1581, 25.7094,
69.7588

■ 56.7286, 51.3436,
73.9387

■ 39.9985, 22.2390,
69.2027

■ 62.0426, 61.0667,
75.5354

■ 38.3415, 19.7626,
68.8121

■ 68.0903, 72.2459,
77.3744

37.1290, 18.1641,
68.5674

74.9007, 84.9390,
79.4655

36.2708, 17.2632,
68.4388

79.0913, 92.3810,
80.6811

36.1777, 17.1732,
68.4263

79.7316, 92.7111,
80.7111

80.3797, 93.0453,
80.7414

81.0357, 93.3834,
80.7721

Harmonies

Analogous

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



40.7954, 36.0136, 94.8709



48.1752, 36.0136, 71.4300



51.8897, 36.0136, 44.2132

Triad

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



48.1752, 36.0136, 71.4300



35.9340, 36.0136, 9.7177



22.0019, 36.0136, 59.7290

Complementary

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



48.1752, 36.0136, 71.4300



40.7912, 58.1360, 31.6275

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.



21.1143, 36.0136, 34.6041



48.1752, 36.0136, 71.4300



28.4095, 36.0136, 11.1478

Square

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



48.1752, 36.0136, 71.4300



44.1477, 36.0136, 13.3554



23.2744, 36.0136, 18.5164



25.9211, 36.0136, 86.4774

Rectangle

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



48.1752, 36.0136, 71.4300



51.4322, 36.0136, 29.6635



23.2744, 36.0136, 18.5164



21.3673, 36.0136, 50.6184

Sweetspot

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



48.1764, 36.0152, 71.4308



85.0017, 81.4644, 105.8519



32.3668, 29.6798, 71.0412



17.9794, 17.0438, 22.5921



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.



48.1764, 36.0152, 71.4308



63.9461, 43.7729, 99.6864



46.4966, 35.6147, 50.3240



13.4873, 13.2093, 16.4909



21.5019, 10.2088, 40.5756



1.4289, 0.6799, 2.6304

Inverse Universe

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



42.6222, 34.0649, 29.9217



55.1467, 40.7186, 32.3227



42.2322, 58.5594, 46.1246



13.1056, 13.0713, 13.8172



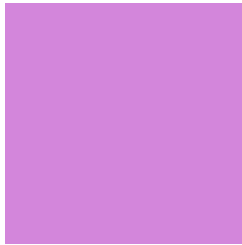
17.4181, 8.9683, 1.3158



1.1459, 0.5880, 0.1771

Previews

White Background



This preview shows how the XYZ color 48.1752, 36.0136, 71.4300 looks on a white background.

Color Contrast Check

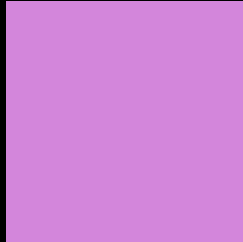
Large Text (above 18pt) WCAG AA × Fail

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 48.1752, 36.0136, 71.4300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

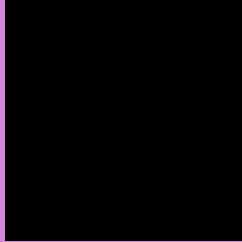
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1752, 36.0136, 71.4300

Background



This preview shows how black text looks on a background with the XYZ color 48.1752, 36.0136, 71.4300.



This preview shows how white text looks on a background with the XYZ color 48.1752, 36.0136,

71.4300.

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

48.1752, 36.0136, 71.4300

Protanopia

38.3041, 36.6078, 86.7085

Deuteranopia

37.1028, 36.3862, 68.6860



Tritanopia

41.2339, 36.0326, 37.1295

Trichromacy



Original Color

48.1752, 36.0136, 71.4300



Protanomaly

40.7364, 35.7459, 81.0965



Deuteranomaly

40.4745, 35.8617, 69.7545



Tritanomaly

43.3648, 35.7631, 47.7974

Monochromacy



Original Color

48.1752, 36.0136, 71.4300



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

40.1127, 37.0551, 51.4926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1752, 36.0136, 71.4300 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(211, 134, 219)` looks like.

```
.text, #text, p{  
    color:rgb(211, 134, 219)  
}
```

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(211, 134, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 134, 219) }
```

Border

The CSS property to change the border of an element to XYZ 48.1752, 36.0136, 71.4300 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(211, 134, 219) }
```


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

```
.border{ border-color:rgb(211, 134, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 134, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 134, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 134, 219);  
box-shadow:4px 4px 4px 4px rgb(211, 134,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1752, 36.0136, 71.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 134, 219) }
```

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

```
.background{ background-color: rgb(211,  
134, 219) }
```

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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