

Converting Colors

XYZ(51.5468, 40.4001, 68.6878)

Have a look what the booklet for
XYZ(51.5468, 40.4001, 68.6878)
contains.

XYZ(51.6299, 40.4729, 68.7092)	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(51.6299, 40.4729,
68.7092)**

Conversions

Conversions Part 1

Format	Color
Hex	DB92D6
RGB	219, 146, 214
RGB Percent	86%, 57%, 84%
CMY	0.1412, 0.4274, 0.1608
CMYK	0.00, 0.33, 0.02, 0.14
HSL	304°, 50%, 72%
HSV	304°, 33%, 86%
XYZ	51.6299, 40.4729, 68.7092
YIQ	175.5790, 21.6800, 36.6240

Conversions

Conversions Part 2

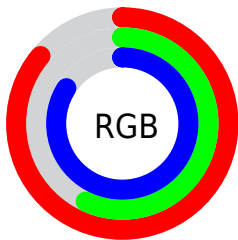
Format	Color
R _Y B	219, 146, 214
Decimal	14389974
CIE _{Lab}	69.81, 38.12, -23.61
CIE _{LCh}	70, 44.835, 328.229
Y _{xy}	40.4729, 0.3211, 0.2517
Android (android.graphics.Color)	4292580054 (0xFFDB92D6)
YUV	175.5790, 18.9416, 38.0802
Hunter-Lab	63.6183, 33.5309, -19.5017

Details

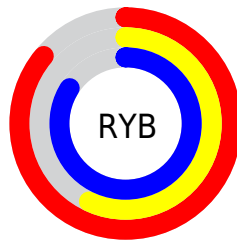
The XYZ color **51.6299, 40.4729, 68.7092** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.7732, 59.0097, 38.4161**, and the grayscale version is **40.9457, 43.0781, 46.9120**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **25.3650, 18.2951, 34.9953** is the 20% darker color. If you saturate the color by 10%, you get **48.3816, 34.2807, 66.6859**, and if you desaturate by 10%, it is **55.5292, 47.9627, 70.9591**.

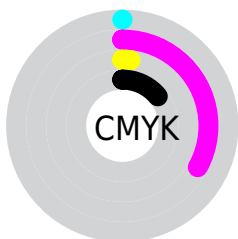
Distribution



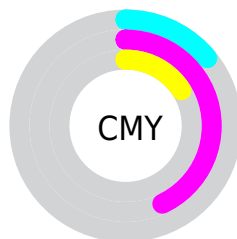
- Red (86%)
- Green (57%)
- Blue (84%)



- Red (86%)
- Yellow (57%)
- Blue (84%)



- Cyan (0%)
- Magenta (33%)
- Yellow (2%)
- Black (14%)





- Cyan (14%)
- Magenta (43%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6299, 40.4729, 68.7092 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 51.6299, 40.4729, 68.7092 by changing the saturation by 10% instead.


 51.6299, 40.4729,
68.7092


 51.6299, 40.4729,
68.7092


383.3536,
348.1128, 474.6708

 36.9332, 27.9075,
50.0046

 91.7627, 75.8831,
119.0299

 25.3292, 18.2559,
35.0459


 117.9295, 99.4966,
151.4832

 16.4526, 11.1339,
23.4144


148.6503,
127.5616, 189.3564

 9.9378, 6.1570,
14.6916

184.2907,
160.4625, 233.0681

 5.4197, 2.9408,
8.4590

225.2158,
198.5837, 283.0368

 2.5328, 1.1009,
4.2981

271.7911,

 0.9118, 0.0000,

242.3095, 339.6812

1.7903

324.3819,
292.0244, 403.4196

■ 0.0000, 0.0000,
0.4215

■ 0.0000, 0.0000,
0.0000

■ 51.6299, 40.4729,
68.7092

■ 51.6299, 40.4729,
68.7092

■ 48.3816, 34.2807,
66.6859

■ 55.5292, 47.9627,
70.9591

■ 45.7433, 29.3065,
64.8741

■ 60.1097, 56.8127,
73.4444

■ 43.6755, 25.4706,
63.2612

■ 65.4044, 67.0884,
76.1764

■ 42.1325, 22.6814,
61.8319

■ 71.4430, 78.8490,
79.1653

41.0615, 20.8333,
60.5685

78.0919, 91.8275,
82.3663

40.3985, 19.7986,
59.4497

78.2934, 91.9081,
83.4271

40.1128, 19.4199,
58.7605

78.4966, 91.9894,
84.4972

78.7016, 92.0714,
85.5769

78.9084, 92.1541,
86.6660

Harmonies

Analogous

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



45.4722, 40.4729, 89.6339



51.6299, 40.4729, 68.7092



54.2143, 40.4729, 45.3179

Triad

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



51.6299, 40.4729, 68.7092



38.9022, 40.4729, 14.9271



27.4119, 40.4729, 65.8659

Complementary

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



51.6299, 40.4729, 68.7092



42.7732, 59.0097, 38.4161

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.



26.1109, 40.4729, 42.8416



51.6299, 40.4729, 68.7092



32.2232, 40.4729, 17.3542

Square

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



51.6299, 40.4729, 68.7092



46.3145, 40.4729, 18.0279



27.7582, 40.4729, 26.1595



31.5624, 40.4729, 87.6610

Rectangle

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



51.6299, 40.4729, 68.7092



53.3448, 40.4729, 32.6853



27.7582, 40.4729, 26.1595



26.6517, 40.4729, 57.8274

Sweetspot

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



51.6312, 40.4747, 68.7101



87.1679, 84.6837, 104.8915



35.8047, 32.2409, 71.3547



18.4385, 17.7011, 22.3367



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.



51.6312, 40.4747, 68.7101



69.5765, 50.8206, 94.9596



47.4929, 38.8194, 46.9183



13.5739, 13.2586, 16.2832



23.8013, 11.5216, 34.9294



1.5538, 0.7512, 2.3252

Inverse Universe

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



51.6312, 40.4747, 68.7101



69.5765, 50.8206, 94.9596



46.1961, 60.3789, 56.4409



13.5739, 13.2586, 16.2832



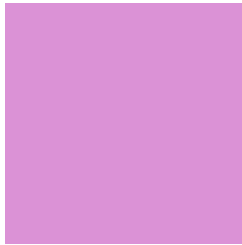
23.8013, 11.5216, 34.9294



1.5538, 0.7512, 2.3252

Previews

White Background



This preview shows how the XYZ color 51.6299, 40.4729, 68.7092 looks on a white background.

Color Contrast Check

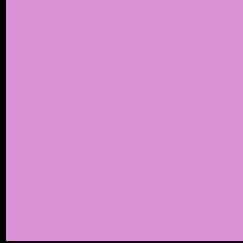
Large Text (above 18pt) WCAG AA × Fail

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 51.6299, 40.4729, 68.7092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

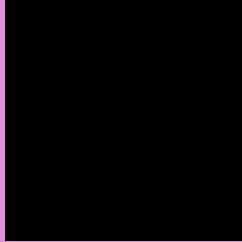
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6299, 40.4729, 68.7092

Background



This preview shows how black text looks on a background with the XYZ color 51.6299, 40.4729, 68.7092.



This preview shows how white text looks on a background with the XYZ color 51.6299, 40.4729,

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

51.6299, 40.4729, 68.7092

Protanopia

41.7486, 40.9178, 81.2988

Deuteranopia

41.6000, 40.6154, 66.6198



Tritanopia

46.1370, 40.3788, 41.9214

Trichromacy



Original Color

51.6299, 40.4729, 68.7092



Protanomaly

44.4669, 40.2731, 76.6640



Deuteranomaly

44.6495, 40.0642, 67.0079



Tritanomaly

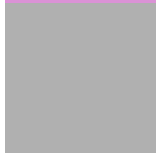
47.9043, 40.3642, 50.6136

Monochromacy



Original Color

51.6299, 40.4729, 68.7092



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

44.4876, 41.8344, 54.4453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6299, 40.4729, 68.7092 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(219, 146, 214)` looks like.

```
.text, #text, p{  
    color:rgb(219, 146, 214)  
}
```

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(219, 146, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 146, 214) }
```

Border

The CSS property to change the border of an element to XYZ 51.6299, 40.4729, 68.7092 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(219, 146, 214) }
```


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

```
.border{ border-color:rgb(219, 146, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 146, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 146, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 146, 214);  
box-shadow:4px 4px 4px 4px rgb(219, 146,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6299, 40.4729, 68.7092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 146, 214) }
```

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

```
.background{ background-color: rgb(219,  
146, 214) }
```

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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