

Converting Colors

XYZ(51.8240, 47.9981, 68.0709)

Have a look what the booklet for
XYZ(51.8240, 47.9981, 68.0709)
contains.

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Color

**XYZ(51.9897, 48.2005,
68.1915)**

Conversions

Conversions Part 1

Format	Color
Hex	CCAFD3
RGB	204, 175, 211
RGB Percent	80%, 69%, 83%
CMY	0.2000, 0.3137, 0.1725
CMYK	0.03, 0.17, 0.00, 0.17
HSL	288°, 29%, 76%
HSV	288°, 17%, 83%
XYZ	51.9897, 48.2005, 68.1915
YIQ	187.7750, 5.7280, 17.3440

Conversions

Conversions Part 2

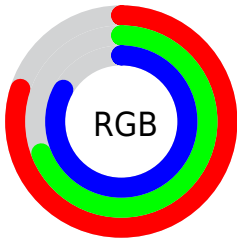
Format	Color
R_{YB}	204, 175, 211
Decimal	13414355
CIE _{Lab}	74.95, 16.88, -14.30
CIE _{LCh}	75, 22.125, 319.727
Yxy	48.2005, 0.3088, 0.2863
Android (android.graphics.Color)	4291604435 (0xFFCCAFD3)
YUV	187.7750, 11.4499, 14.2293
Hunter-Lab	69.4266, 12.1722, -9.6366

Details

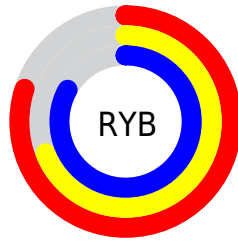
The XYZ color **51.9897, 48.2005, 68.1915** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.3253, 59.6300, 49.4172**, and the grayscale version is **47.6084, 50.0878, 54.5456**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **25.5380, 22.8034, 34.5080** is the 20% darker color. If you saturate the color by 10%, you get **47.0902, 40.0483, 66.8769**, and if you desaturate by 10%, it is **57.5634, 57.6554, 69.7234**.

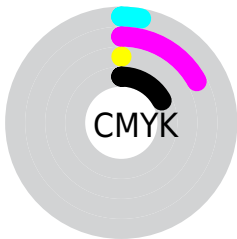
Distribution



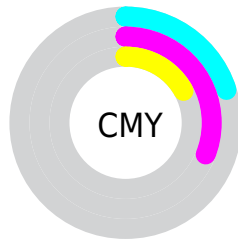
- Red (80%)
- Green (69%)
- Blue (83%)



- Red (80%)
- Yellow (69%)
- Blue (83%)



- Cyan (3%)
- Magenta (17%)
- Yellow (0%)
- Black (17%)



- Cyan (20%)
- Magenta (31%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9897, 48.2005, 68.1915 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 51.9897, 48.2005, 68.1915 by changing the saturation by 10% instead.

■ 51.9897, 48.2005,
68.1915

■ 51.9897, 48.2005,
68.1915

384.7215,
379.5863, 472.7907

■ 37.2211, 33.9857,
49.5859

■ 92.2904, 87.5029,
118.2829

■ 25.5532, 22.8826,
34.7156

118.5531,
113.3592, 150.6057

■ 16.6206, 14.5069,
23.1621

149.3780,
143.8648, 188.3380

■ 10.0580, 8.4740,
14.5068

185.1304,
179.4042, 231.8983

■ 5.5000, 4.3997,
8.3312

226.1755,
220.3616, 281.7052

■ 2.5812, 1.8996,
4.2168

272.8789,

■ 0.9364, 0.5481,

267.1215, 338.1772

1.7450

325.6057,
320.0683, 401.7329

■ 0.0000, 0.0000,
0.3913

■ 0.0000, 0.0000,
0.0000

■ 51.9897, 48.2005,
68.1915

■ 51.9897, 48.2005,
68.1915

■ 47.0902, 40.0483,
66.8769

■ 57.5634, 57.6554,
69.7234

■ 42.8306, 33.1331,
65.7667

■ 63.8350, 68.4625,
71.4789

■ 39.1801, 27.3928,
64.8511

■ 70.8322, 80.6763,
73.4676

■ 36.1034, 22.7572,
64.1185

■ 77.1585, 91.5034,
75.2240

■ 33.5617, 19.1488,
63.5559

■ 78.4188, 92.1531,
75.2830

■ 31.5108, 16.4798,
63.1489

■ 79.7098, 92.8187,
75.3434

■ 29.8992, 14.6475,
62.8801

■ 81.0317, 93.5002,
75.4053

■ 28.6587, 13.5158,
62.7271

■ 82.3848, 94.1977,
75.4686

■ 28.3294, 13.2460,
62.6924

■ 83.7692, 94.9114,
75.5334

Harmonies

Analogous

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



48.4815, 48.2005, 76.2927



51.9897, 48.2005, 68.1915



53.8770, 48.2005, 56.5442

Triad

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



51.9897, 48.2005, 68.1915



47.2103, 48.2005, 33.5181



38.8928, 48.2005, 60.3432

Complementary

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



51.9897, 48.2005, 68.1915



50.3253, 59.6300, 49.4172

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.



38.5969, 48.2005, 48.6195



51.9897, 48.2005, 68.1915



43.2445, 48.2005, 34.2259

Square

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



51.9897, 48.2005, 68.1915



51.0123, 48.2005, 37.2923



40.1462, 48.2005, 39.3922



40.9798, 48.2005, 71.3211

Rectangle

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



51.9897, 48.2005, 68.1915



53.8913, 48.2005, 48.8176



40.1462, 48.2005, 39.3922



38.5854, 48.2005, 56.3256

Sweetspot

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



51.9912, 48.2026, 68.1925



90.2103, 91.6660, 107.5465



46.2080, 47.3572, 68.3342



19.1679, 19.3788, 22.9802



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.



51.9912, 48.2026, 68.1925



77.3280, 69.8331, 104.0113



52.6442, 48.6904, 61.3911



12.0762, 11.8881, 14.9018



17.1801, 8.0369, 37.8383



1.0197, 0.4798, 2.1184

Inverse Universe

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



50.6391, 47.8884, 50.8327



74.9599, 69.2965, 72.9876



49.8169, 59.2404, 55.1539



11.9014, 11.8453, 12.7564



16.4831, 8.4661, 2.1842



0.9500, 0.4847, 0.2713

Previews

White Background



This preview shows how the XYZ color 51.9897, 48.2005, 68.1915 looks on a white background.

Color Contrast Check

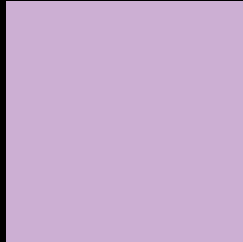
Large Text (above 18pt) WCAG AA × Fail

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 51.9897, 48.2005, 68.1915 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 51.9897, 48.2005, 68.1915

Background



This preview shows how black text looks on a background with the XYZ color 51.9897, 48.2005, 68.1915.



This preview shows how white text looks on a background with the XYZ color 51.9897, 48.2005,

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

51.9897, 48.2005, 68.1915

Protanopia

47.6883, 48.2898, 71.7732

Deuteranopia

49.4400, 48.3720, 67.7037



Tritanopia

49.5222, 48.0641, 56.5364

Trichromacy



Original Color

51.9897, 48.2005, 68.1915

Protanomaly

48.9524, 48.0624, 70.3152

Deuteranomaly

50.3182, 48.2297, 67.6300

Tritanomaly

50.3881, 48.1244, 60.6660

Monochromacy



Original Color

51.9897, 48.2005, 68.1915

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

49.1454, 49.3218, 59.1544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9897, 48.2005, 68.1915 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(204, 175, 211)` looks like.

```
.text, #text, p{  
    color:rgb(204, 175, 211)  
}
```

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(204, 175, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 175, 211) }
```

Border

The CSS property to change the border of an element to XYZ 51.9897, 48.2005, 68.1915 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(204, 175, 211) }
```


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

```
.border{ border-color:rgb(204, 175, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 175, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 175, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 175, 211);  
box-shadow:4px 4px 4px 4px rgb(204, 175,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9897, 48.2005, 68.1915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 175, 211) }
```

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

```
.background{ background-color: rgb(204,  
175, 211) }
```

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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