

Converting Colors

XYZ(33.7216, 30.6075, 47.8735)

Have a look what the booklet for
XYZ(33.7216, 30.6075, 47.8735)
contains.

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Color

**XYZ(33.5913, 30.4929,
47.8313)**

Conversions

Conversions Part 1

Format	Color
Hex	A68DB5
RGB	166, 141, 181
RGB Percent	65%, 55%, 71%
CMY	0.3490, 0.4470, 0.2902
CMYK	0.08, 0.22, 0.00, 0.29
HSL	278°, 21%, 63%
HSV	278°, 22%, 71%
XYZ	33.5913, 30.4929, 47.8313
YIQ	153.0350, 2.0600, 17.7400

Conversions

Conversions Part 2

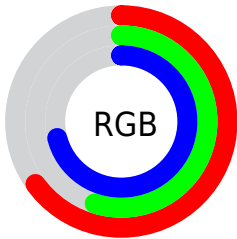
Format	Color
RYB	166, 141, 181
Decimal	10915253
CIELab	62.08, 16.97, -17.42
CIElCh	62, 24.319, 314.247
Yxy	30.4929, 0.3001, 0.2725
Android (android.graphics.Color)	4289105333 (0xFFA68DB5)
YUV	153.0350, 13.7867, 11.3703
Hunter-Lab	55.2204, 11.9483, -12.7021

Details

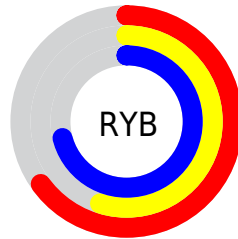
The XYZ color **33.5913, 30.4929, 47.8313** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **35.0428, 42.0394, 31.4681**, and the grayscale version is **30.2356, 31.8102, 34.6413**.

A 20% lighter version of the original color is **64.6200, 60.5168, 88.3958**, and **14.5768, 12.6181, 22.0893** is the 20% darker color. If you saturate the color by 10%, you get **29.7522, 24.8711, 46.9490**, and if you desaturate by 10%, it is **37.9436, 37.0284, 48.8639**.

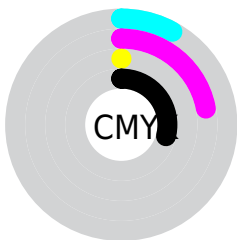
Distribution



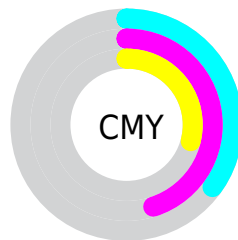
- Red (65%)
- Green (55%)
- Blue (71%)



- Red (65%)
- Yellow (55%)
- Blue (71%)



- Cyan (8%)
- Magenta (22%)
- Yellow (0%)
- Black (29%)



- Cyan (35%)
- Magenta (45%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5913, 30.4929, 47.8313 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 33.5913, 30.4929, 47.8313 by changing the saturation by 10% instead.

■ 33.5913, 30.4929,
47.8313

■ 33.5913, 30.4929,
47.8313

309.9239,
304.1953, 394.6125

■ 22.7412, 20.2130,
33.3343

■ 64.6461, 60.4408,
88.3161

■ 14.5222, 12.5500,
22.1094

■ 85.5816, 80.8776,
115.1410

■ 8.5689, 7.1194,
13.7382

■ 110.6095,
105.4688, 146.9122

■ 4.5159, 3.5369,
7.8022

140.0953,
134.5989, 184.0483

■ 1.9979, 1.4180,
3.8827

174.4042,
168.6522, 226.9678

■ 0.6328, 0.2300,
1.5612

213.9017,

■ 0.0000, 0.0000,

208.0131, 276.0893

0.2629

258.9532,
253.0660, 331.8314

■ 0.0000, 0.0000,
0.0000

■ 33.5913, 30.4929,
47.8313

■ 33.5913, 30.4929,
47.8313

■ 29.7522, 24.8711,
46.9490

■ 37.9436, 37.0284,
48.8639

■ 26.4011, 20.1160,
46.2078

■ 42.8270, 44.5136,
50.0513

■ 23.5149, 16.1827,
45.6007

■ 48.2621, 52.9875,
51.4004

■ 21.0671, 13.0200,
45.1193

■ 54.2675, 62.4855,
52.9172

■ 19.0286, 10.5714,
44.7541

■ 60.8609, 73.0415,
54.6072

■ 17.3660, 8.7720,
44.4944

■ 68.0591, 84.6876,
56.4758

■ 16.0396, 7.5444,
44.3273

■ 71.6905, 89.0794,
57.1321

■ 15.1669, 6.8553,
44.2403

■ 73.7072, 90.1190,
57.2264

■ 75.8072, 91.2016,
57.3247

Harmonies

Analogous

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



30.5565, 30.4929, 53.8741



33.5913, 30.4929, 47.8313



35.4599, 30.4929, 38.3303

Triad

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



33.5913, 30.4929, 47.8313



30.7220, 30.4929, 18.7200



23.3094, 30.4929, 37.8298

Complementary

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



33.5913, 30.4929, 47.8313



35.0428, 42.0394, 31.4681

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.



23.3464, 30.4929, 28.5521



33.5913, 30.4929, 47.8313



27.4637, 30.4929, 18.6366

Square

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



33.5913, 30.4929, 47.8313



33.7203, 30.4929, 22.1624



24.8160, 30.4929, 21.9080



24.7108, 30.4929, 47.4060

Rectangle

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



33.5913, 30.4929, 47.8313



35.7107, 30.4929, 31.8867



24.8160, 30.4929, 21.9080



23.1576, 30.4929, 34.5521

Sweetspot

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



33.5922, 30.4942, 47.8320



72.1905, 72.7766, 88.5370



31.2705, 32.8890, 48.4166



15.4932, 15.5616, 19.1094



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.5922, 30.4942, 47.8320



56.3695, 49.0247, 84.7863



36.4512, 32.0225, 45.5078



8.5350, 8.4843, 10.6941



10.5343, 4.7664, 30.5018



0.3935, 0.1820, 0.9626

Inverse Universe

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



34.5826, 31.2750, 35.6675



58.5923, 50.7582, 58.3454



32.6718, 40.7762, 33.2082



8.6238, 8.5562, 9.5173



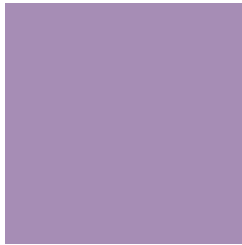
13.8848, 7.0715, 4.5532



0.4657, 0.2340, 0.2952

Previews

White Background



This preview shows how the XYZ color 33.5913, 30.4929, 47.8313 looks on a white background.

Color Contrast Check

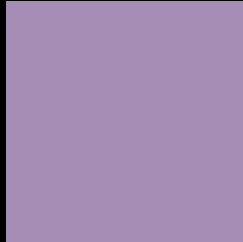
Large Text (above 18pt) WCAG AA × Fail

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 33.5913, 30.4929, 47.8313 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 33.5913, 30.4929, 47.8313

Background



This preview shows how black text looks on a background with the XYZ color 33.5913, 30.4929, 47.8313.



This preview shows how white text looks on a background with the XYZ color 33.5913, 30.4929,

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

33.5913, 30.4929, 47.8313

Protanopia

30.5949, 30.7028, 50.7681

Deuteranopia

31.2496, 30.6468, 47.4484



Tritanopia

31.1115, 30.3665, 36.1199

Trichromacy



Original Color

33.5913, 30.4929, 47.8313

Protanomaly

31.5083, 30.5025, 49.5743

Deuteranomaly

32.0739, 30.6140, 47.3986

Tritanomaly

31.9605, 30.4862, 40.2763

Monochromacy



Original Color

33.5913, 30.4929, 47.8313

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.4589, 31.4083, 39.0547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5913, 30.4929, 47.8313 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(166, 141, 181)` looks like.

```
.text, #text, p{  
    color:rgb(166, 141, 181)  
}
```

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(166, 141, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 141, 181) }
```

Border

The CSS property to change the border of an element to XYZ 33.5913, 30.4929, 47.8313 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(166, 141, 181) }
```


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

```
.border{ border-color:rgb(166, 141, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 141, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 141, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 141, 181);  
box-shadow:4px 4px 4px 4px rgb(166, 141,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5913, 30.4929, 47.8313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 141, 181) }
```

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

```
.background{ background-color: rgb(166,  
141, 181) }
```

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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