

Converting Colors

XYZ(34.8068, 28.2022, 47.3523)

Have a look what the booklet for
XYZ(34.8068, 28.2022, 47.3523)
contains.

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Color

**XYZ(34.7523, 28.2182,
47.3311)**

Conversions

Conversions Part 1

Format	Color
Hex	B47FB5
RGB	180, 127, 181
RGB Percent	71%, 50%, 71%
CMY	0.2941, 0.5019, 0.2902
CMYK	0.01, 0.30, 0.00, 0.29
HSL	299°, 27%, 60%
HSV	299°, 30%, 71%
XYZ	34.7523, 28.2182, 47.3311
YIQ	149.0030, 14.2540, 28.0300

Conversions

Conversions Part 2

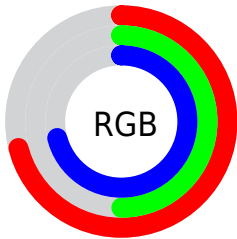
Format	Color
R_{YB}	180, 127, 181
Decimal	11829173
CIE _{Lab}	60.09, 29.58, -20.32
CIE _{LCh}	60, 35.889, 325.510
Yxy	28.2182, 0.3151, 0.2558
Android (android.graphics.Color)	4290019253 (0xFFB47FB5)
YUV	149.0030, 15.7745, 27.1844
Hunter-Lab	53.1208, 23.8155, -15.6433

Details

The XYZ color **34.7523, 28.2182, 47.3311** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.2576, 39.1699, 26.0985**, and the grayscale version is **28.5006, 29.9849, 32.6535**.

A 20% lighter version of the original color is **66.1994, 56.5898, 87.5546**, and **15.1543, 11.3019, 21.8048** is the 20% darker color. If you saturate the color by 10%, you get **32.5438, 23.9163, 46.6176**, and if you desaturate by 10%, it is **37.3827, 33.3625, 48.1858**.

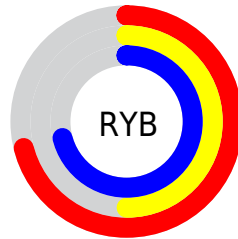
Distribution



Red (71%)

Green (50%)

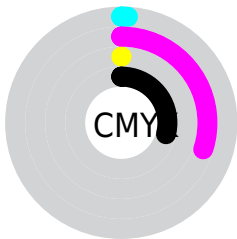
Blue (71%)



Red (71%)

Yellow (50%)

Blue (71%)

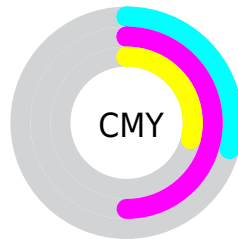


Cyan (1%)

Magenta (30%)

Yellow (0%)

Black (29%)



Cyan (29%)

Magenta (50%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7523, 28.2182, 47.3311 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 34.7523, 28.2182, 47.3311 by changing the saturation by 10% instead.

■ 34.7523, 28.2182,
47.3311

■ 34.7523, 28.2182,
47.3311

315.0008,
293.5081, 392.5666

■ 23.6378, 18.4902,
32.9413

■ 66.4384, 56.8326,
87.5628

■ 15.1884, 11.3025,
21.8107

■ 87.7407, 76.4878,
114.2417

■ 9.0389, 6.2707,
13.5209

■ 113.1696,
100.2209, 145.8541

■ 4.8239, 3.0104,
7.6533

143.0905,
128.4163, 182.8185

■ 2.1780, 1.1371,
3.7893

177.8687,
161.4582, 225.5533

■ 0.7311, 0.0094,
1.5105

217.8696,

■ 0.0000, 0.0000,

199.7313, 274.4773

0.2257

263.4585,
243.6198, 330.0089

■ 0.0000, 0.0000,
0.0000

■ 34.7523, 28.2182,
47.3311

■ 34.7523, 28.2182,
47.3311

■ 32.5438, 23.9163,
46.6176

■ 37.3827, 33.3625,
48.1858

■ 30.7321, 20.4081,
46.0359

■ 40.4531, 39.3872,
49.1869

■ 29.2933, 17.6458,
45.5785

■ 43.9839, 46.3323,
50.3413

■ 28.2003, 15.5745,
45.2364

■ 47.9933, 54.2344,
51.6553

■ 27.4220, 14.1324,
44.9990

■ 52.4986, 63.1280,
53.1344

■ 26.9217, 13.2461,
44.8543

■ 57.5163, 73.0460,
54.7844

■ 26.6253, 12.7673,
44.7775

■ 63.0619, 84.0196,
56.6102

■ 26.6208, 12.7600,
44.7764

■ 63.5533, 84.8845,
56.7512

■ 63.6328, 84.9255,
56.7550

Harmonies

Analogous

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



30.7942, 28.2182, 59.5659



34.7523, 28.2182, 47.3311



36.5913, 28.2182, 32.7417

Triad

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



34.7523, 28.2182, 47.3311



27.5158, 28.2182, 11.8182



19.6328, 28.2182, 42.9150

Complementary

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



34.7523, 28.2182, 47.3311



29.2576, 39.1699, 26.0985

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.



18.9652, 28.2182, 28.7926



34.7523, 28.2182, 47.3311



23.2044, 28.2182, 13.1228

Square

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



34.7523, 28.2182, 47.3311



32.1220, 28.2182, 14.2746



20.1980, 28.2182, 18.5430



22.1371, 28.2182, 56.5488

Rectangle

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



34.7523, 28.2182, 47.3311



36.2313, 28.2182, 24.4629



20.1980, 28.2182, 18.5430



19.1992, 28.2182, 37.9734

Sweetspot

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



34.7532, 28.2194, 47.3317



72.8548, 71.3363, 88.2240



24.9180, 23.4974, 46.9386



15.5633, 15.0583, 19.0085



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.



34.7532, 28.2194, 47.3317



59.4834, 45.1636, 83.8769



32.6301, 27.3972, 34.9331



8.8342, 8.6386, 10.7081



18.3585, 8.8000, 30.8680



0.5825, 0.2794, 0.9715

Inverse Universe

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



30.5426, 26.5622, 23.9403



50.7019, 41.7102, 34.9586



30.9611, 39.8340, 35.8497



8.5025, 8.5077, 8.8787



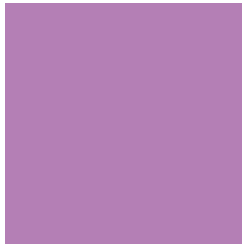
13.1524, 6.7785, 0.6965



0.4159, 0.2141, 0.0330

Previews

White Background



This preview shows how the XYZ color 34.7523, 28.2182, 47.3311 looks on a white background.

Color Contrast Check

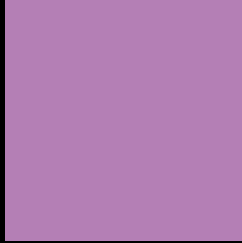
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7523, 28.2182, 47.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

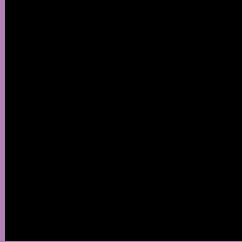
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.7523, 28.2182, 47.3311

Background



This preview shows how black text looks on a background with the XYZ color 34.7523, 28.2182, 47.3311.



This preview shows how white text looks on a background with the XYZ color 34.7523, 28.2182,

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

34.7523, 28.2182, 47.3311

Protanopia

28.8082, 28.3205, 54.4001

Deuteranopia

29.0366, 28.4000, 46.0708



Tritanopia

31.2383, 28.1778, 30.1780

Trichromacy



Original Color

34.7523, 28.2182, 47.3311

Protanomaly

30.5254, 27.9550, 51.9311

Deuteranomaly

30.7926, 28.2139, 46.4707

Tritanomaly

32.3336, 28.0140, 35.6014

Monochromacy



Original Color

34.7523, 28.2182, 47.3311

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.4551, 29.0965, 37.7293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7523, 28.2182, 47.3311 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(180, 127, 181)` looks like.

```
.text, #text, p{  
    color:rgb(180, 127, 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(180, 127, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 127, 181) }
```

Border

The CSS property to change the border of an element to XYZ 34.7523, 28.2182, 47.3311 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(180, 127, 181) }
```


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

```
.border{ border-color:rgb(180, 127, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 127, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 127, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 127, 181);  
box-shadow:4px 4px 4px 4px rgb(180, 127,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7523, 28.2182, 47.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 127, 181) }
```

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

```
.background{ background-color: rgb(180,  
127, 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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