

Converting Colors

XYZ(37.8077, 34.0497, 57.0285)

Have a look what the booklet for
XYZ(37.8077, 34.0497, 57.0285)
contains.

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Color

**XYZ(37.7873, 34.0496,
56.8052)**

Conversions

Conversions Part 1

Format	Color
Hex	AD94C4
RGB	173, 148, 196
RGB Percent	68%, 58%, 77%
CMY	0.3216, 0.4196, 0.2314
CMYK	0.12, 0.24, 0.00, 0.23
HSL	271°, 29%, 67%
HSV	271°, 24%, 77%
XYZ	37.7873, 34.0496, 56.8052
YIQ	160.9470, -0.5080, 20.2280

Conversions

Conversions Part 2

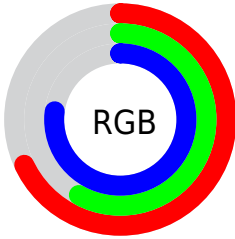
Format	Color
RYB	173, 148, 196
Decimal	11375812
CIELab	65.00, 18.51, -21.35
CIElCh	65, 28.253, 310.926
Yxy	34.0496, 0.2937, 0.2647
Android (android.graphics.Color)	4289565892 (0xFFAD94C4)
YUV	160.9470, 17.2811, 10.5705
Hunter-Lab	58.3520, 13.4760, -16.8719

Details

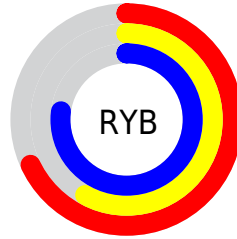
The XYZ color **37.7873, 34.0496, 56.8052** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.8810, 50.2768, 35.5156**, and the grayscale version is **33.7751, 35.5340, 38.6965**.

A 20% lighter version of the original color is **71.1633, 65.9909, 101.9153**, and **16.9029, 14.4955, 27.4982** is the 20% darker color. If you saturate the color by 10%, you get **32.9653, 27.3805, 55.7726**, and if you desaturate by 10%, it is **43.2781, 41.8379, 58.0196**.

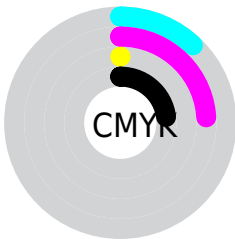
Distribution



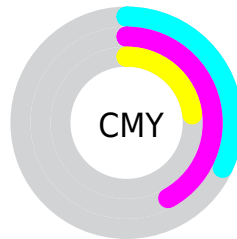
- Red (68%)
- Green (58%)
- Blue (77%)



- Red (68%)
- Yellow (58%)
- Blue (77%)



- Cyan (12%)
- Magenta (24%)
- Yellow (0%)
- Black (23%)



- Cyan (32%)
- Magenta (42%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7873, 34.0496, 56.8052 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 37.7873, 34.0496, 56.8052 by changing the saturation by 10% instead.

■ 37.7873, 34.0496,
56.8052

■ 37.7873, 34.0496,
56.8052

328.0033,
320.3532, 430.1922

■ 25.9941, 22.9317,
40.4405

■ 71.0880, 66.0108,
101.6784

■ 16.9519, 14.5431,
27.5658

■ 93.3262, 87.6229,
131.0240

■ 10.2953, 8.4993,
17.7624

119.7769,
113.5018, 165.5337

■ 5.6589, 4.4161,
10.6119

150.8052,
144.0320, 205.6261

■ 2.6775, 1.9089,
5.6956

186.7767,
179.5979, 251.7195

■ 0.9856, 0.5537,
2.5951

228.0566,

■ 0.0000, 0.0000,

220.5837, 304.2327

0.8899

275.0104,
267.3740, 363.5841

■ 0.0000, 0.0000,
0.0000

■ 37.7873, 34.0496,
56.8052

■ 37.7873, 34.0496,
56.8052

■ 32.9653, 27.3805,
55.7726

■ 43.2781, 41.8379,
58.0196

■ 28.7795, 21.7724,
54.9108

■ 49.4616, 50.7914,
59.4219

■ 25.1996, 17.1682,
54.2107

■ 56.3645, 60.9585,
61.0206

■ 22.1910, 13.5034,
53.6619

■ 64.0112, 72.3838,
62.8228

■ 19.7150, 10.7059,
53.2525

■ 72.4246, 85.1094,
64.8357

■ 17.7276, 8.6923,
52.9686

■ 78.1500, 92.2218,
65.9068

■ 16.1758, 7.3622,
52.7936

■ 81.2347, 93.8120,
66.0511

■ 15.4526, 6.8151,
52.7261

■ 84.4841, 95.4872,
66.2032

■ 86.9639, 96.7656,
66.3192

Harmonies

Analogous

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



33.8751, 34.0496, 63.8452



37.7873, 34.0496, 56.8052



40.3705, 34.0496, 44.9239

Triad

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



37.7873, 34.0496, 56.8052



34.9990, 34.0496, 19.6160



25.2458, 34.0496, 41.5044

Complementary

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



37.7873, 34.0496, 56.8052



41.8810, 50.2768, 35.5156

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.



25.4915, 34.0496, 30.1967



37.7873, 34.0496, 56.8052



30.8968, 34.0496, 19.0797

Square

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



37.7873, 34.0496, 56.8052



38.6694, 34.0496, 24.2019



27.4846, 34.0496, 22.5401



26.7827, 34.0496, 53.8531

Rectangle

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



37.7873, 34.0496, 56.8052



40.8712, 34.0496, 36.7119



27.4846, 34.0496, 22.5401



25.1262, 34.0496, 37.4389

Sweetspot

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



37.7884, 34.0510, 56.8060



86.5405, 87.5490, 106.9452



36.7785, 39.4842, 57.9079



18.3728, 18.5204, 22.8564



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.



37.7884, 34.0510, 56.8060



63.9676, 55.4359, 101.9365



43.2288, 36.8662, 56.5865



10.0176, 10.0002, 12.6871



10.0288, 4.4305, 33.8832



0.5126, 0.2323, 1.4677

Inverse Universe

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



40.7067, 35.8573, 43.3053



70.2316, 59.3111, 73.0418



37.3628, 47.9402, 35.6359



10.2697, 10.1565, 11.5107



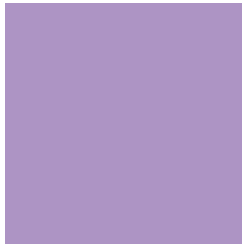
15.9664, 8.0763, 7.7349



0.7247, 0.3629, 0.5176

Previews

White Background



This preview shows how the XYZ color 37.7873, 34.0496, 56.8052 looks on a white background.

Color Contrast Check

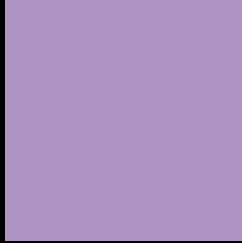
Large Text (above 18pt) WCAG AA × Fail

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 37.7873, 34.0496, 56.8052 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 37.7873, 34.0496, 56.8052

Background



This preview shows how black text looks on a background with the XYZ color 37.7873, 34.0496, 56.8052.



This preview shows how white text looks on a background with the XYZ color 37.7873, 34.0496,

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

37.7873, 34.0496, 56.8052

Protanopia

34.4032, 34.1522, 60.6559

Deuteranopia

34.8981, 34.2528, 56.4019



Tritanopia

34.5870, 34.1892, 40.8526

Trichromacy



Original Color

37.7873, 34.0496, 56.8052

Protanomaly

35.5269, 34.0205, 59.3377

Deuteranomaly

35.7765, 33.9737, 56.3017

Tritanomaly

35.7416, 34.1768, 46.3080

Monochromacy



Original Color

37.7873, 34.0496, 56.8052

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.0455, 34.8323, 44.9206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7873, 34.0496, 56.8052 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(173, 148, 196)` looks like.

```
.text, #text, p{  
    color:rgb(173, 148, 196)  
}
```

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(173, 148, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 148, 196) }
```

Border

The CSS property to change the border of an element to XYZ 37.7873, 34.0496, 56.8052 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(173, 148, 196) }
```


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

```
.border{ border-color:rgb(173, 148, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 148, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 148, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 148, 196);  
box-shadow:4px 4px 4px 4px rgb(173, 148,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7873, 34.0496, 56.8052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 148, 196) }
```

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

```
.background{ background-color: rgb(173,  
148, 196) }
```

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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