

Converting Colors

XYZ(38.6921, 34.3256, 63.5766)

Have a look what the booklet for
XYZ(38.6921, 34.3256, 63.5766)
contains.

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Color

**XYZ(38.6470, 34.3427,
63.6234)**

Conversions

Conversions Part 1

Format	Color
Hex	AB94CF
RGB	171, 148, 207
RGB Percent	67%, 58%, 81%
CMY	0.3294, 0.4196, 0.1882
CMYK	0.17, 0.29, 0.00, 0.19
HSL	263°, 38%, 70%
HSV	263°, 29%, 81%
XYZ	38.6470, 34.3427, 63.6234
YIQ	161.6030, -5.2310, 23.2250

Conversions

Conversions Part 2

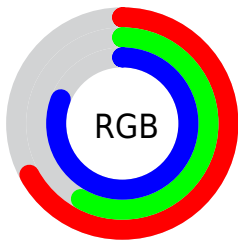
Format	Color
R_{YB}	171, 148, 207
Decimal	11244751
CIE _{Lab}	65.23, 20.28, -27.15
CIE _{LCh}	65, 33.883, 306.756
Yxy	34.3427, 0.2829, 0.2514
Android (android.graphics.Color)	4289434831 (0xFFAB94CF)
YUV	161.6030, 22.3807, 8.2412
Hunter-Lab	58.6026, 15.1617, -23.3478

Details

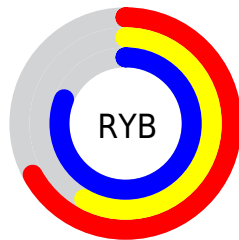
The XYZ color **38.6470, 34.3427, 63.6234** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.4263, 56.9549, 36.5122**, and the grayscale version is **34.0586, 35.8323, 39.0214**.

A 20% lighter version of the original color is **70.8491, 65.7920, 103.5727**, and **17.4134, 14.6679, 31.6192** is the 20% darker color. If you saturate the color by 10%, you get **33.0650, 27.0691, 62.5142**, and if you desaturate by 10%, it is **45.0748, 42.9158, 64.9400**.

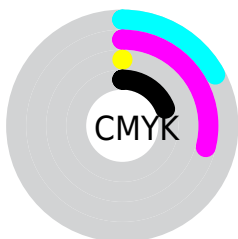
Distribution



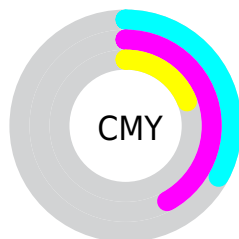
- Red (67%)
- Green (58%)
- Blue (81%)



- Red (67%)
- Yellow (58%)
- Blue (81%)



- Cyan (17%)
- Magenta (29%)
- Yellow (0%)
- Black (19%)



- Cyan (33%)
- Magenta (42%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6470, 34.3427, 63.6234 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 38.6470, 34.3427, 63.6234 by changing the saturation by 10% instead.

■ 38.6470, 34.3427,
63.6234

■ 38.6470, 34.3427,
63.6234

331.6204,
321.6574, 455.9985

■ 26.6647, 23.1570,
45.9015

■ 72.3963, 66.4662,
111.6626

■ 17.4569, 14.7095,
31.8200

■ 94.8940, 88.1729,
142.8170

■ 10.6581, 8.6157,
20.9604

121.6275,
114.1553, 179.2860

■ 5.9030, 4.4914,
12.9041

152.9623,
144.7978, 221.4881

■ 2.8263, 1.9521,
7.2326

189.2636,
180.4849, 269.8419

■ 1.0626, 0.5794,
3.5273

230.8968,

■ 0.0000, 0.0000,

221.6009, 324.7658

1.3698

278.2273,
268.5303, 386.6785

■ 0.0000, 0.0000,
0.1180

■ 0.0000, 0.0000,
0.0000

■ 38.6470, 34.3427,
63.6234

■ 38.6470, 34.3427,
63.6234

■ 33.0650, 27.0691,
62.5142

■ 45.0748, 42.9158,
64.9400

■ 28.2871, 21.0252,
61.5994

■ 52.3807, 52.8453,
66.4715

■ 24.2730, 16.1407,
60.8682

■ 60.5994, 64.1893,
68.2279

■ 20.9770, 12.3365,
60.3076

■ 69.7625, 77.0017,
70.2180

■ 18.3482, 9.5228,
59.9031

■ 79.9001, 91.3334,
72.4500

■ 16.3272, 7.5948,
59.6375

■ 85.3049, 95.7603,
73.0196

■ 14.8273, 6.3927,
59.4845

■ 88.2626, 97.2850,
73.1580

■ 14.6298, 6.2409,
59.4656

Harmonies

Analogous

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



33.7692, 34.3427, 71.3368



38.6470, 34.3427, 63.6234



42.1458, 34.3427, 49.1587

Triad

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



38.6470, 34.3427, 63.6234



36.5260, 34.3427, 17.5895



24.1068, 34.3427, 40.6778

Complementary

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



38.6470, 34.3427, 63.6234



47.4263, 56.9549, 36.5122

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.



24.6860, 34.3427, 27.6731



38.6470, 34.3427, 63.6234



31.5396, 34.3427, 16.3991

Square

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



38.6470, 34.3427, 63.6234



40.8377, 34.3427, 23.3908



27.2931, 34.3427, 19.5921



25.6230, 34.3427, 56.0980

Rectangle

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



38.6470, 34.3427, 63.6234



43.0461, 34.3427, 38.9502



27.2931, 34.3427, 19.5921



24.0654, 34.3427, 35.8786

Sweetspot

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



38.6481, 34.3441, 63.6242



83.1951, 83.6615, 106.3712



40.6966, 45.2425, 65.6198



17.4215, 17.3798, 22.6864



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.



38.6481, 34.3441, 63.6242



56.4918, 47.9064, 100.8772



45.7040, 37.9815, 63.9544



11.5933, 11.6392, 14.8792



9.3163, 3.9830, 37.4703



0.6088, 0.2680, 2.0992

Inverse Universe

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



44.9748, 37.9072, 50.2949



68.3762, 54.6074, 75.4842



41.1544, 53.7217, 36.2186



12.1074, 11.9277, 13.8415



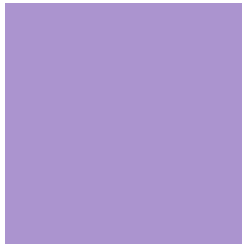
18.6451, 9.3309, 13.5694



1.0808, 0.5370, 0.9605

Previews

White Background



This preview shows how the XYZ color 38.6470, 34.3427, 63.6234 looks on a white background.

Color Contrast Check

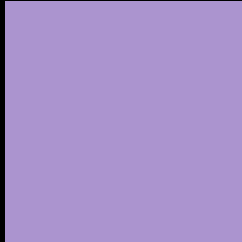
Large Text (above 18pt) WCAG AA × Fail

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 38.6470, 34.3427, 63.6234 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 38.6470, 34.3427, 63.6234

Background



This preview shows how black text looks on a background with the XYZ color 38.6470, 34.3427, 63.6234.



This preview shows how white text looks on a background with the XYZ color 38.6470, 34.3427,

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

38.6470, 34.3427, 63.6234

Protanopia

35.0540, 34.3318, 67.7299

Deuteranopia

35.3023, 34.5743, 62.5705



Tritanopia

34.0991, 34.1624, 41.8426

Trichromacy



Original Color

38.6470, 34.3427, 63.6234

Protanomaly

36.2860, 34.2579, 66.3280

Deuteranomaly

36.4364, 34.4068, 63.1133

Tritanomaly

35.6081, 34.0494, 48.9514

Monochromacy



Original Color

38.6470, 34.3427, 63.6234

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.6099, 35.3276, 47.0615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6470, 34.3427, 63.6234 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(171, 148, 207)` looks like.

```
.text, #text, p{  
    color:rgb(171, 148, 207)  
}
```

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(171, 148, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 148, 207) }
```

Border

The CSS property to change the border of an element to XYZ 38.6470, 34.3427, 63.6234 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(171, 148, 207) }
```


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

```
.border{ border-color:rgb(171, 148, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 148, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 148, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 148, 207);  
box-shadow:4px 4px 4px 4px rgb(171, 148,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6470, 34.3427, 63.6234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 148, 207) }
```

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

```
.background{ background-color: rgb(171,  
148, 207) }
```

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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