

Converting Colors

XYZ(36.3827, 32.4434, 44.9021)

Have a look what the booklet for
XYZ(36.3827, 32.4434, 44.9021)
contains.

XYZ(36.3827, 32.4434, 44.9021)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.3827, 32.4434,
44.9021)**

Conversions

Conversions Part 1

Format	Color
Hex	B48FAF
RGB	180, 143, 175
RGB Percent	71%, 56%, 69%
CMY	0.2941, 0.4392, 0.3137
CMYK	0.00, 0.21, 0.03, 0.29
HSL	308°, 20%, 63%
HSV	308°, 21%, 71%
XYZ	36.3827, 32.4434, 44.9021
YIQ	157.7110, 11.7800, 17.7960

Conversions

Conversions Part 2

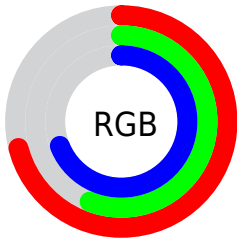
Format	Color
RYB	180, 143, 175
Decimal	11833263
CIELab	63.71, 19.47, -11.44
CIELCh	64, 22.585, 329.567
Yxy	32.4434, 0.3199, 0.2853
Android (android.graphics.Color)	4290023343 (0xFFB48FAF)
YUV	157.7110, 8.5235, 19.5475
Hunter-Lab	56.9591, 14.3387, -6.8682

Details

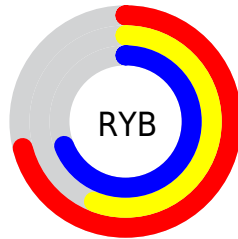
The XYZ color **36.3827, 32.4434, 44.9021** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.9955, 40.6212, 34.1204**, and the grayscale version is **32.3283, 34.0119, 37.0389**.

A 20% lighter version of the original color is **68.9821, 63.5349, 84.2290**, and **16.1547, 13.5964, 20.5118** is the 20% darker color. If you saturate the color by 10%, you get **33.6579, 27.3722, 42.8259**, and if you desaturate by 10%, it is **39.5474, 38.3863, 47.1469**.

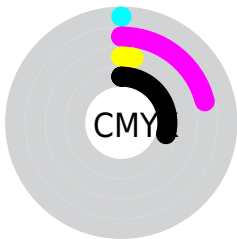
Distribution



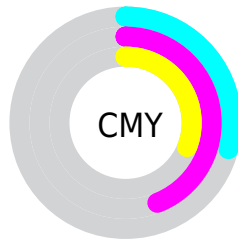
- Red (71%)
- Green (56%)
- Blue (69%)



- Red (71%)
- Yellow (56%)
- Blue (69%)



- Cyan (0%)
- Magenta (21%)
- Yellow (3%)
- Black (29%)





- Cyan (29%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3827, 32.4434, 44.9021 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 36.3827, 32.4434, 44.9021 by changing the saturation by 10% instead.


 36.3827, 32.4434,
44.9021

 36.3827, 32.4434,
44.9021


322.0323,
313.1342, 382.5255

 24.9014, 21.7004,
31.0379

 68.9424, 63.5056,
83.8904

 16.1319, 13.6369,
20.3690

 90.7514, 84.5935,
109.8516

 9.7090, 7.8686,
12.4768

116.7338,
109.8985, 140.6822

 5.2672, 4.0110,
6.9428

147.2548,
139.8051, 176.8007

 2.4413, 1.6797,
3.3485

182.6798,
174.6975, 218.6258

 0.8657, 0.4105,
1.2752

223.3741,

 0.0000, 0.0000,

214.9603, 266.5759

0.0413

269.7032,
260.9777, 321.0696

■ 0.0000, 0.0000,
0.0000

■ 36.3827, 32.4434,
44.9021

■ 36.3827, 32.4434,
44.9021

■ 33.6579, 27.3722,
42.8259

■ 39.5474, 38.3863,
47.1469

■ 31.3493, 23.1271,
40.9093

■ 43.1682, 45.2353,
49.5647

■ 29.4356, 19.6649,
39.1452

■ 47.2643, 53.0278,
52.1624

■ 27.8923, 16.9369,
37.5256

■ 51.8529, 61.7981,
54.9458

■ 26.6922, 14.8885,
36.0411

■ 56.9501, 71.5788,
57.9204

■ 25.8044, 13.4580,
34.6815

■ 62.5715, 82.4009,
61.0915

■ 25.1923, 12.5721,
33.4343

■ 64.1003, 85.0305,
62.9203

■ 24.7958, 12.0927,
32.3355

■ 64.3722, 85.1392,
64.3521

■ 64.6486, 85.2498,
65.8075

Harmonies

Analogous

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



33.9356, 32.4434, 52.7423



36.3827, 32.4434, 44.9021



37.3261, 32.4434, 35.4572

Triad

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



36.3827, 32.4434, 44.9021



30.8825, 32.4434, 20.6148



25.8437, 32.4434, 44.6350

Complementary

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



36.3827, 32.4434, 44.9021



32.9955, 40.6212, 34.1204

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.



25.1463, 32.4434, 35.1938



36.3827, 32.4434, 44.9021



27.9320, 32.4434, 22.2391

Square

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



36.3827, 32.4434, 44.9021



34.0206, 32.4434, 22.3360



25.8846, 32.4434, 27.2174



27.8575, 32.4434, 52.5705

Rectangle

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



36.3827, 32.4434, 44.9021



36.9288, 32.4434, 29.8077



25.8846, 32.4434, 27.2174



25.4540, 32.4434, 41.4851

Sweetspot

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



36.3837, 32.4448, 44.9028



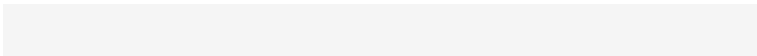
74.5248, 74.9220, 87.3981



30.2628, 29.2316, 47.2277



16.0181, 16.0244, 18.8299



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.



36.3837, 32.4448, 44.9028



63.4647, 54.1533, 79.5448



34.6948, 31.7693, 36.0095



8.7996, 8.6266, 10.4433



17.3239, 8.4471, 22.6632



0.5587, 0.2712, 0.7847

Inverse Universe

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



36.3837, 32.4448, 44.9028



63.4647, 54.1533, 79.5448



34.5728, 41.2521, 42.4265



8.7996, 8.6266, 10.4433



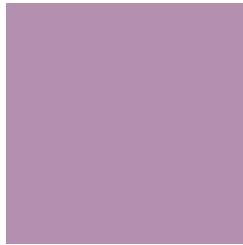
17.3239, 8.4471, 22.6632



0.5587, 0.2712, 0.7847

Previews

White Background



This preview shows how the XYZ color 36.3827, 32.4434, 44.9021 looks on a white background.

Color Contrast Check

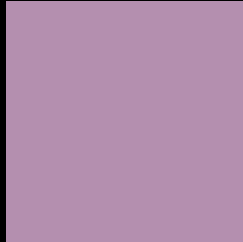
Large Text (above 18pt) WCAG AA × Fail

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 36.3827, 32.4434, 44.9021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

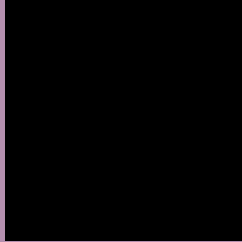
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3827, 32.4434, 44.9021

Background



This preview shows how black text looks on a background with the XYZ color 36.3827, 32.4434, 44.9021.



This preview shows how white text looks on a background with the XYZ color 36.3827, 32.4434,

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

36.3827, 32.4434, 44.9021

Protanopia

32.2292, 32.5494, 48.8400

Deuteranopia

33.2443, 32.4458, 44.5549



Tritanopia

34.7248, 32.4571, 36.3329

Trichromacy



Original Color

36.3827, 32.4434, 44.9021

Protanomaly

33.3813, 32.2231, 47.1081

Deuteranomaly

34.2221, 32.2483, 44.4652

Tritanomaly

35.4166, 32.5148, 39.5313

Monochromacy



Original Color

36.3827, 32.4434, 44.9021

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.8180, 33.5698, 39.8192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3827, 32.4434, 44.9021 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, 143, 175)` looks like.

```
.text, #text, p{  
    color:rgb(180, 143, 175)  
}
```

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, 143, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 143, 175) }
```

Border

The CSS property to change the border of an element to XYZ 36.3827, 32.4434, 44.9021 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, 143, 175) }
```


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

```
.border{ border-color:rgb(180, 143, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 143, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 143, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 143, 175);  
box-shadow:4px 4px 4px 4px rgb(180, 143,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3827, 32.4434, 44.9021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 143, 175) }
```

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

```
.background{ background-color: rgb(180,  
143, 175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor