

Converting Colors

XYZ(36.8091, 34.3575, 41.8567)

Have a look what the booklet for
XYZ(36.8091, 34.3575, 41.8567)
contains.

XYZ(36.7966, 34.3431, 41.7353)	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(36.7966, 34.3431,
41.7353)**

Conversions

Conversions Part 1

Format	Color
Hex	B496A8
RGB	180, 150, 168
RGB Percent	71%, 59%, 66%
CMY	0.2941, 0.4117, 0.3412
CMYK	0.00, 0.17, 0.07, 0.29
HSL	324°, 17%, 65%
HSV	324°, 17%, 71%
XYZ	36.7966, 34.3431, 41.7353
YIQ	161.0220, 12.1020, 11.9580

Conversions

Conversions Part 2

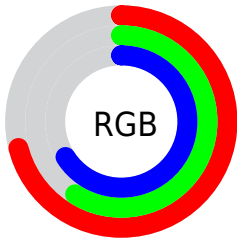
Format	Color
R_{YB}	180, 150, 168
Decimal	11835048
CIE Lab	65.23, 14.27, -5.22
CIE LCh	65, 15.192, 339.891
Yxy	34.3431, 0.3260, 0.3043
Android (android.graphics.Color)	4290025128 (0xFFB496A8)
YUV	161.0220, 3.4402, 16.6437
Hunter-Lab	58.6030, 9.5243, -1.2025

Details

The XYZ color **36.7966, 34.3431, 41.7353** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **35.4218, 41.7361, 40.3732**, and the grayscale version is **33.8679, 35.6316, 38.8028**.

A 20% lighter version of the original color is **69.5042, 66.3463, 78.9549**, and **16.3666, 14.6967, 18.4971** is the 20% darker color. If you saturate the color by 10%, you get **33.4898, 28.7732, 37.4146**, and if you desaturate by 10%, it is **40.5837, 40.8133, 46.4002**.

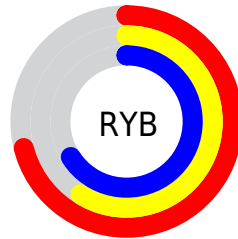
Distribution



Red (71%)

Green (59%)

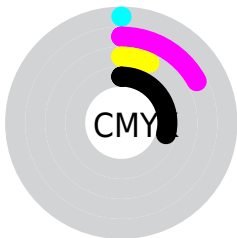
Blue (66%)



Red (71%)

Yellow (59%)

Blue (66%)

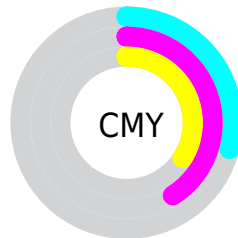


Cyan (0%)

Magenta (17%)

Yellow (7%)

Black (29%)



Cyan (29%)


Magenta (41%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7966, 34.3431, 41.7353 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 36.7966, 34.3431, 41.7353 by changing the saturation by 10% instead.


 36.7966, 34.3431,
41.7353


 36.7966, 34.3431,
41.7353


323.7999,
321.6592, 369.1517

 25.2230, 23.1573,
28.5701

 69.5757, 66.4669,
79.0646

 16.3729, 14.7097,
18.5130


 91.5119, 88.1736,
104.0658

 9.8809, 8.6159,
11.1457


117.6331,
114.1561, 133.8493

 5.3817, 4.4915,
6.0495

148.3045,
144.7988, 168.8338

 2.5100, 1.9521,
2.8059

183.8915,
180.4861, 209.4377

 0.9003, 0.5794,
0.9964

224.7595,

 0.0000, 0.0000,

221.6023, 256.0797

0.0000

271.2739,
268.5319, 309.1781

■ 36.7966, 34.3431,
41.7353

■ 36.7966, 34.3431,
41.7353

■ 33.4898, 28.7732,
37.4146

■ 40.5837, 40.8133,
46.4002

■ 30.6398, 24.0587,
33.4262

■ 44.8676, 48.2171,
51.4164

■ 28.2252, 20.1576,
29.7603

■ 49.6675, 56.5916,
56.7937

■ 26.2220, 17.0226,
26.4057

■ 55.0007, 65.9706,
62.5404

■ 24.6033, 14.6014,
23.3505

■ 60.8837, 76.3862,
68.6648

■ 23.3394, 12.8351,
20.5813

■ 66.3663, 85.9369,
74.8528

■ 22.3954, 11.6552,
18.0832

■ 67.2907, 86.3067,
79.7209

■ 21.7238, 10.9682,
15.8370

■ 68.2562, 86.6928,
84.8049

■ 21.5290, 10.7860,
15.1328

■ 69.2631, 87.0956,
90.1074

Harmonies

Analogous

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



35.4435, 34.3431, 47.5286



36.7966, 34.3431, 41.7353



37.0092, 34.3431, 35.3424

Triad

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



36.7966, 34.3431, 41.7353



31.9177, 34.3431, 26.6418



29.4895, 34.3431, 45.7530

Complementary

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



36.7966, 34.3431, 41.7353



35.4218, 41.7361, 40.3732

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.



28.6328, 34.3431, 39.5231



36.7966, 34.3431, 41.7353



29.9924, 34.3431, 28.8130

Square

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



36.7966, 34.3431, 41.7353



34.1248, 34.3431, 27.0918



28.8127, 34.3431, 33.3643



31.2030, 34.3431, 50.0235

Rectangle

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



36.7966, 34.3431, 41.7353



36.4660, 34.3431, 31.6517



28.8127, 34.3431, 33.3643



29.0953, 34.3431, 43.7915

Sweetspot

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



36.7976, 34.3446, 41.7360



74.7519, 76.0080, 85.5260



34.0462, 32.7910, 47.7154



16.0457, 16.2372, 18.3530



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.



36.7976, 34.3446, 41.7360



64.4167, 58.3731, 72.7227



35.4797, 33.8175, 34.7961



8.7032, 8.5880, 9.9355



15.0596, 7.5414, 10.7400



0.5017, 0.2484, 0.4847

Inverse Universe

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



36.7976, 34.3446, 41.7360



64.4167, 58.3731, 72.7227



36.8358, 42.3017, 47.8192



8.7032, 8.5880, 9.9355



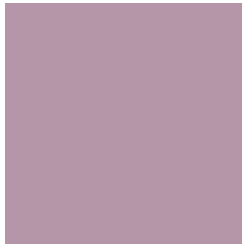
15.0596, 7.5414, 10.7400



0.5017, 0.2484, 0.4847

Previews

White Background



This preview shows how the XYZ color 36.7966, 34.3431, 41.7353 looks on a white background.

Color Contrast Check

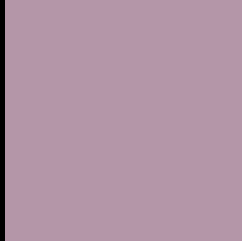
Large Text (above 18pt) WCAG AA × Fail

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 36.7966, 34.3431, 41.7353 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 36.7966, 34.3431, 41.7353

Background



This preview shows how black text looks on a background with the XYZ color 36.7966, 34.3431, 41.7353.



This preview shows how white text looks on a background with the XYZ color 36.7966, 34.3431,

41.7353.

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

36.7966, 34.3431, 41.7353

Protanopia

33.5044, 34.2992, 44.3897

Deuteranopia

35.1082, 34.4473, 41.3578



Tritanopia

36.2679, 34.3613, 39.3712

Trichromacy



Original Color

36.7966, 34.3431, 41.7353

Protanomaly

34.4233, 34.0508, 43.2862

Deuteranomaly

35.8218, 34.5712, 41.3441

Tritanomaly

36.4485, 34.4335, 40.3226

Monochromacy



Original Color

36.7966, 34.3431, 41.7353

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.9063, 35.1191, 40.0609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7966, 34.3431, 41.7353 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, 150, 168)` looks like.

```
.text, #text, p{  
    color:rgb(180, 150, 168)  
}
```

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, 150, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 150, 168) }
```

Border

The CSS property to change the border of an element to XYZ 36.7966, 34.3431, 41.7353 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, 150, 168) }
```


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

```
.border{ border-color:rgb(180, 150, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 150, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 150, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 150, 168);  
box-shadow:4px 4px 4px 4px rgb(180, 150,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7966, 34.3431, 41.7353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 150, 168) }
```

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

```
.background{ background-color: rgb(180,  
150, 168) }
```

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