

Converting Colors

XYZ(36.8886, 34.0708, 53.4345)

Have a look what the booklet for
XYZ(36.8886, 34.0708, 53.4345)
contains.

XYZ(36.9952, 34.1883, 53.3643)	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(36.9952, 34.1883,
53.3643)**

Conversions

Conversions Part 1

Format	Color
Hex	AB96BE
RGB	171, 150, 190
RGB Percent	67%, 59%, 75%
CMY	0.3294, 0.4118, 0.2549
CMYK	0.10, 0.21, 0.00, 0.25
HSL	271°, 24%, 67%
HSV	271°, 21%, 75%
XYZ	36.9952, 34.1883, 53.3643
YIQ	160.8390, -0.3240, 16.8920

Conversions

Conversions Part 2

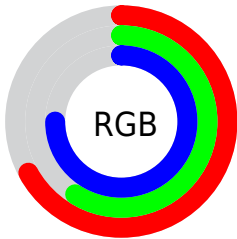
Format	Color
RYB	171, 150, 190
Decimal	11245246
CIELab	65.11, 15.45, -17.84
CIELCh	65, 23.597, 310.891
Yxy	34.1883, 0.2970, 0.2745
Android (android.graphics.Color)	4289435326 (0xFFAB96BE)
YUV	160.8390, 14.3764, 8.9112
Hunter-Lab	58.4708, 10.6154, -13.1825

Details

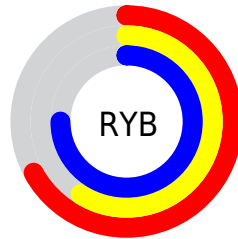
The XYZ color **36.9952, 34.1883, 53.3643** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **40.2817, 47.4647, 35.8943**, and the grayscale version is **33.7379, 35.4949, 38.6540**.

A 20% lighter version of the original color is **69.9060, 66.1704, 96.2765**, and **16.4484, 14.5814, 25.6145** is the 20% darker color. If you saturate the color by 10%, you get **32.3067, 27.6302, 52.3461**, and if you desaturate by 10%, it is **42.3117, 41.8016, 54.5541**.

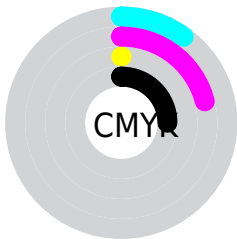
Distribution



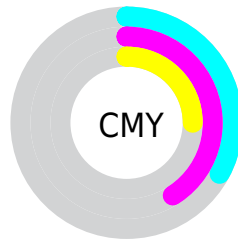
- Red (67%)
- Green (59%)
- Blue (75%)



- Red (67%)
- Yellow (59%)
- Blue (75%)



- Cyan (10%)
- Magenta (21%)
- Yellow (0%)
- Black (25%)



- Cyan (33%)
- Magenta (41%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9952, 34.1883, 53.3643 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 36.9952, 34.1883, 53.3643 by changing the saturation by 10% instead.

■ 36.9952, 34.1883,
53.3643

■ 36.9952, 34.1883,
53.3643

324.6456,
320.9709, 416.7871

■ 25.3774, 23.0383,
37.7040

■ 69.8793, 66.2264,
96.5872

■ 16.4887, 14.6218,
25.4530

■ 91.8763, 87.8833,
124.9868

■ 9.9637, 8.5544,
16.1928

118.0638,
113.8112, 158.4699

■ 5.4370, 4.4517,
9.5048

148.8071,
144.3946, 197.4551

■ 2.5432, 1.9293,
4.9706

184.4716,
180.0179, 242.3609

■ 0.9171, 0.5659,
2.1716

225.4226,

■ 0.0000, 0.0000,

221.0654, 293.6058

0.6579

272.0255,
267.9216, 351.6083

■ 0.0000, 0.0000,
0.0000

■ 36.9952, 34.1883,
53.3643

■ 36.9952, 34.1883,
53.3643

■ 32.3067, 27.6302,
52.3461

■ 42.3117, 41.8016,
54.5541

■ 28.2166, 22.0744,
51.4893

■ 48.2776, 50.5113,
55.9208

■ 24.6977, 17.4697,
50.7860

■ 54.9173, 60.3616,
57.4722

■ 21.7191, 13.7584,
50.2266

■ 62.2527, 71.3929,
59.2148

■ 19.2465, 10.8766,
49.8007

■ 70.3048, 83.6435,
61.1550

■ 17.2413, 8.7512,
49.4961

■ 76.1535, 91.2699,
62.3188

■ 15.6579, 7.2959,
49.2987

■ 79.0447, 92.7604,
62.4541

■ 14.5221, 6.4127,
49.1881

■ 82.0869, 94.3287,
62.5965

■ 85.2822, 95.9760,
62.7461

Harmonies

Analogous

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



33.7540, 34.1883, 58.9646



36.9952, 34.1883, 53.3643



39.1169, 34.1883, 43.7410

Triad

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



36.9952, 34.1883, 53.3643



34.6968, 34.1883, 22.1080



26.4526, 34.1883, 40.9003

Complementary

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



36.9952, 34.1883, 53.3643



40.2817, 47.4647, 35.8943

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.



26.6660, 34.1883, 31.3910



36.9952, 34.1883, 53.3643



31.2676, 34.1883, 21.6179

Square

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



36.9952, 34.1883, 53.3643



37.7269, 34.1883, 26.2023



28.3753, 34.1883, 24.7202



27.7705, 34.1883, 50.9733

Rectangle

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



36.9952, 34.1883, 53.3643



39.5277, 34.1883, 36.9330



28.3753, 34.1883, 24.7202



26.3502, 34.1883, 37.5190

Sweetspot

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



36.9963, 34.1897, 53.3651



81.8799, 83.3151, 100.0450



36.1232, 38.7031, 54.2822



17.8239, 18.0673, 21.9332



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.9963, 34.1897, 53.3651



63.2054, 56.5516, 95.8634



41.3640, 36.4498, 53.1899



9.4816, 9.4651, 11.9994



9.7475, 4.3111, 32.7113



0.4569, 0.2076, 1.2848

Inverse Universe

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



39.3040, 35.6258, 42.3424



68.1888, 59.6510, 72.1331



36.5512, 45.5353, 36.0007



9.7138, 9.6098, 10.8817



15.3936, 7.7886, 7.3665



0.6360, 0.3183, 0.4627

Previews

White Background



This preview shows how the XYZ color 36.9952, 34.1883, 53.3643 looks on a white background.

Color Contrast Check

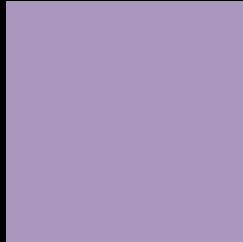
Large Text (above 18pt) WCAG AA × Fail

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 36.9952, 34.1883, 53.3643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

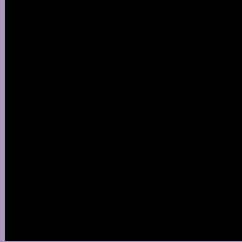
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9952, 34.1883, 53.3643

Background



This preview shows how black text looks on a background with the XYZ color 36.9952, 34.1883, 53.3643.



This preview shows how white text looks on a background with the XYZ color 36.9952, 34.1883,

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

36.9952, 34.1883, 53.3643

Protanopia

34.3017, 34.4436, 56.4701

Deuteranopia

35.0072, 34.3859, 52.9362



Tritanopia

34.3749, 34.0799, 40.8427

Trichromacy



Original Color

36.9952, 34.1883, 53.3643

Protanomaly

35.0859, 34.1296, 55.1905

Deuteranomaly

35.6808, 34.2431, 52.8731

Tritanomaly

35.2775, 34.2024, 45.2998

Monochromacy



Original Color

36.9952, 34.1883, 53.3643

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.0204, 35.0918, 43.9574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9952, 34.1883, 53.3643 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, 150, 190)` looks like.

```
.text, #text, p{  
    color:rgb(171, 150, 190)  
}
```

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, 150, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 150, 190) }
```

Border

The CSS property to change the border of an element to XYZ 36.9952, 34.1883, 53.3643 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, 150, 190) }
```


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

```
.border{ border-color:rgb(171, 150, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 150, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 150, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 150, 190);  
box-shadow:4px 4px 4px 4px rgb(171, 150,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9952, 34.1883, 53.3643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 150, 190) }
```

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

```
.background{ background-color: rgb(171,  
150, 190) }
```

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