

Converting Colors

XYZ(36.4678, 34.8478, 45.1779)

Have a look what the booklet for
XYZ(36.4678, 34.8478, 45.1779)
contains.

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Color

**XYZ(36.5847, 34.8763,
45.3610)**

Conversions

Conversions Part 1

Format	Color
Hex	AE99AF
RGB	174, 153, 175
RGB Percent	68%, 60%, 69%
CMY	0.3176, 0.4000, 0.3137
CMYK	0.01, 0.13, 0.00, 0.31
HSL	297°, 12%, 64%
HSV	297°, 13%, 69%
XYZ	36.5847, 34.8763, 45.3610
YIQ	161.7870, 5.4540, 11.2940

Conversions

Conversions Part 2

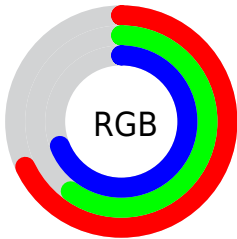
Format	Color
RYB	174, 153, 175
Decimal	11442607
CIELab	65.65, 11.76, -8.59
CIELCh	66, 14.567, 323.850
Yxy	34.8763, 0.3132, 0.2985
Android (android.graphics.Color)	4289632687 (0xFFAE99AF)
YUV	161.7870, 6.5140, 10.7108
Hunter-Lab	59.0562, 7.2307, -4.2013

Details

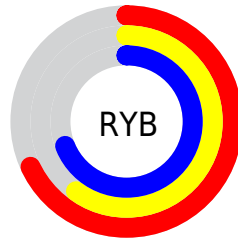
The XYZ color **36.5847, 34.8763, 45.3610** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.4074, 39.8307, 36.0134**, and the grayscale version is **34.2126, 35.9943, 39.1978**.

A 20% lighter version of the original color is **69.3698, 67.2182, 84.9195**, and **16.2117, 14.9978, 20.7793** is the 20% darker color. If you saturate the color by 10%, you get **33.7516, 29.4719, 44.4677**, and if you desaturate by 10%, it is **39.8410, 41.1245, 46.3959**.

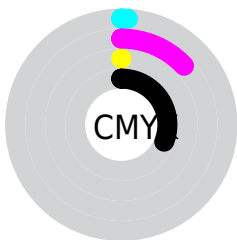
Distribution



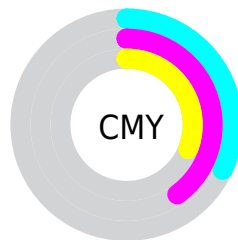
- Red (68%)
- Green (60%)
- Blue (69%)



- Red (68%)
- Yellow (60%)
- Blue (69%)



- Cyan (1%)
- Magenta (13%)
- Yellow (0%)
- Black (31%)



- Cyan (32%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5847, 34.8763, 45.3610 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 36.5847, 34.8763, 45.3610 by changing the saturation by 10% instead.

■ 36.5847, 34.8763,
45.3610

■ 36.5847, 34.8763,
45.3610

322.8958,
324.0220, 384.4363

■ 25.0583, 23.5676,
31.3969

■ 69.2516, 67.2941,
84.5860

■ 16.2495, 15.0132,
20.6402

■ 91.1228, 89.1720,
110.6840

■ 9.7928, 8.8286,
12.6726

117.1729,
115.3417, 141.6637

■ 5.3230, 4.6296,
7.0754

147.7674,
146.1877, 177.9436

■ 2.4747, 2.0316,
3.4302

183.2716,
182.0943, 219.9423

■ 0.8825, 0.6257,
1.3182

224.0508,

■ 0.0000, 0.0000,

223.4460, 268.0783

0.0767

270.4705,
270.6271, 322.7701

■ 0.0000, 0.0000,
0.0000

■ 36.5847, 34.8763,
45.3610

■ 36.5847, 34.8763,
45.3610

■ 33.7516, 29.4719,
44.4677

■ 39.8410, 41.1245,
46.3959

■ 31.3205, 24.8702,
43.7076

■ 43.5344, 48.2460,
47.5758

■ 29.2726, 21.0337,
43.0750

■ 47.6823, 56.2748,
48.9069

■ 27.5870, 17.9200,
42.5629

■ 52.2998, 65.2414,
50.3943

■ 26.2403, 15.4827,
42.1634

■ 57.4017, 75.1752,
52.0428

■ 25.2067, 13.6699,
41.8680

■ 62.0359, 84.1718,
53.5351

■ 24.4563, 12.4221,
41.6666

■ 62.2199, 84.2667,
53.5437

■ 23.9538, 11.6685,
41.5477

■ 62.4050, 84.3621,
53.5524

■ 23.6846, 11.3160,
41.4938

■ 62.5912, 84.4581,
53.5611

Harmonies

Analogous

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



34.8411, 34.8763, 49.8079



36.5847, 34.8763, 45.3610



37.4118, 34.8763, 39.2512

Triad

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



36.5847, 34.8763, 45.3610



33.5918, 34.8763, 27.4188



29.5251, 34.8763, 42.9429

Complementary

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



36.5847, 34.8763, 45.3610



34.4074, 39.8307, 36.0134

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.



29.2227, 34.8763, 36.7255



36.5847, 34.8763, 45.3610



31.5123, 34.8763, 28.1813

Square

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



36.5847, 34.8763, 45.3610



35.6366, 34.8763, 29.2292



29.9352, 34.8763, 31.4366



30.7797, 34.8763, 48.3101

Rectangle

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



36.5847, 34.8763, 45.3610



37.3079, 34.8763, 35.2219



29.9352, 34.8763, 31.4366



29.3111, 34.8763, 40.8666

Sweetspot

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



36.5857, 34.8778, 45.3618



70.4293, 71.8755, 82.7982



32.4483, 33.0134, 45.2200



15.5534, 15.7823, 18.3709



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



36.5857, 34.8778, 45.3618



64.0849, 59.7147, 80.7853



35.8722, 34.6182, 40.4375



8.3006, 8.1293, 10.0843



16.9755, 8.1111, 29.7154



0.4830, 0.2312, 0.8272

Inverse Universe

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



34.9043, 34.2311, 35.3410



60.5010, 58.3373, 59.3784



35.0699, 40.0739, 40.4913



8.0194, 8.0210, 8.4132



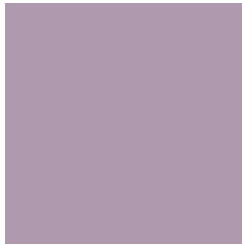
12.6981, 6.5418, 0.7897



0.3579, 0.1839, 0.0466

Previews

White Background



This preview shows how the XYZ color 36.5847, 34.8763, 45.3610 looks on a white background.

Color Contrast Check

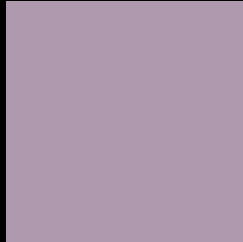
Large Text (above 18pt) WCAG AA × Fail

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 36.5847, 34.8763, 45.3610 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 36.5847, 34.8763, 45.3610

Background



This preview shows how black text looks on a background with the XYZ color 36.5847, 34.8763, 45.3610.



This preview shows how white text looks on a background with the XYZ color 36.5847, 34.8763,

45.3610.

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

36.5847, 34.8763, 45.3610

Protanopia

34.1674, 34.8362, 47.0427

Deuteranopia

35.6077, 34.8627, 45.4099



Tritanopia

35.7642, 34.7855, 41.3885

Trichromacy



Original Color

36.5847, 34.8763, 45.3610

Protanomaly

34.9285, 34.7378, 46.4591

Deuteranomaly

35.8710, 34.7524, 45.3747

Tritanomaly

36.0449, 34.8977, 42.8664

Monochromacy



Original Color

36.5847, 34.8763, 45.3610

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.0991, 35.6933, 41.5988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5847, 34.8763, 45.3610 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(174, 153, 175)` looks like.

```
.text, #text, p{  
    color:rgb(174, 153, 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(174, 153, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 153, 175) }
```

Border

The CSS property to change the border of an element to XYZ 36.5847, 34.8763, 45.3610 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(174, 153, 175) }
```


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

```
.border{ border-color:rgb(174, 153, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 153, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 153, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 153, 175);  
box-shadow:4px 4px 4px 4px rgb(174, 153,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5847, 34.8763, 45.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 153, 175) }
```

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

```
.background{ background-color: rgb(174,  
153, 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](#).

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