

Converting Colors

XYZ(36.7375, 31.9967, 45.9281)

Have a look what the booklet for
XYZ(36.7375, 31.9967, 45.9281)
contains.

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Color

**XYZ(36.6053, 31.8756,
45.8183)**

Conversions

Conversions Part 1

Format	Color
Hex	B68CB1
RGB	182, 140, 177
RGB Percent	71%, 55%, 69%
CMY	0.2863, 0.4510, 0.3059
CMYK	0.00, 0.23, 0.03, 0.29
HSL	307°, 22%, 63%
HSV	307°, 23%, 71%
XYZ	36.6053, 31.8756, 45.8183
YIQ	156.7760, 13.1550, 20.4110

Conversions

Conversions Part 2

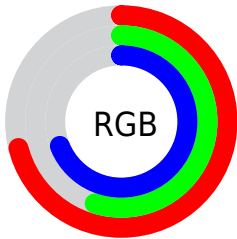
Format	Color
R_{YB}	182, 140, 177
Decimal	11963569
CIE _{Lab}	63.24, 22.23, -13.25
CIE _{LCh}	63, 25.879, 329.197
Yxy	31.8756, 0.3203, 0.2789
Android (android.graphics.Color)	4290153649 (0xFFB68CB1)
YUV	156.7760, 9.9704, 22.1214
Hunter-Lab	56.4585, 16.9295, -8.5953

Details

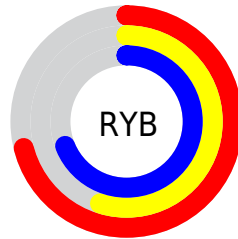
The XYZ color **36.6053, 31.8756, 45.8183** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.6553, 41.0766, 32.9973**, and the grayscale version is **31.9005, 33.5618, 36.5488**.

A 20% lighter version of the original color is **69.2597, 62.6439, 85.5319**, and **16.2637, 13.2671, 20.7724** is the 20% darker color. If you saturate the color by 10%, you get **33.9487, 26.9049, 43.8759**, and if you desaturate by 10%, it is **39.7071, 37.7302, 47.9267**.

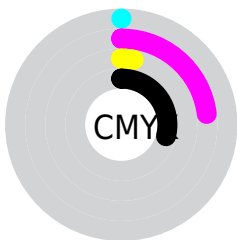
Distribution



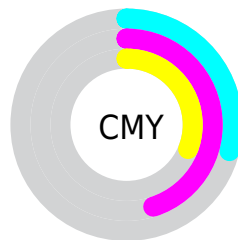
- Red (71%)
- Green (55%)
- Blue (69%)



- Red (71%)
- Yellow (55%)
- Blue (69%)



- Cyan (0%)
- Magenta (23%)
- Yellow (3%)
- Black (29%)




- Cyan (29%)
- Magenta (45%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6053, 31.8756, 45.8183 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 36.6053, 31.8756, 45.8183 by changing the saturation by 10% instead.


 36.6053, 31.8756,
45.8183


 36.6053, 31.8756,
45.8183


322.9838,
310.5522, 386.3340


 25.0743, 21.2665,
31.7548


 69.2831, 62.6160,
85.2784

 16.2615, 13.3189,
20.9110

 91.1606, 83.5161,
111.5122

 9.8014, 7.6485,
12.8684


 117.2177,
108.6154, 142.6397

 5.3287, 3.8709,
7.2083

147.8197,
138.2981, 179.0797

 2.4781, 1.6016,
3.5123

183.3319,
172.9488, 221.2505

 0.8842, 0.3587,
1.3618

224.1198,

 0.0000, 0.0000,

212.9517, 269.5708

0.1117

270.5486,
258.6914, 324.4592

■ 0.0000, 0.0000,
0.0000

■ 36.6053, 31.8756,
45.8183

■ 36.6053, 31.8756,
45.8183

■ 33.9487, 26.9049,
43.8759

■ 39.7071, 37.7302,
47.9267

■ 31.7129, 22.7706,
42.0902

■ 43.2713, 44.5047,
50.2060

■ 29.8752, 19.4273,
40.4541

■ 47.3178, 52.2383,
52.6630

■ 28.4099, 16.8234,
38.9587

■ 51.8645, 60.9666,
55.3040

■ 27.2883, 14.9014,
37.5945

■ 56.9283, 70.7235,
58.1345

■ 26.4773, 13.5953,
36.3504

■ 62.5252, 81.5411,
61.1601

■ 25.9373, 12.8257,
35.2131

■ 64.5848, 85.2785,
63.0239

■ 25.6659, 12.4949,
34.4693

■ 64.8270, 85.3754,
64.2994

■ 65.0728, 85.4737,
65.5935

Harmonies

Analogous

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



33.7819, 31.8756, 54.9280



36.6053, 31.8756, 45.8183



37.7177, 31.8756, 34.9842

Triad

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



36.6053, 31.8756, 45.8183



30.3934, 31.8756, 18.4856



24.6740, 31.8756, 45.2446

Complementary

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



36.6053, 31.8756, 45.8183



32.6553, 41.0766, 32.9973

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.



23.9193, 31.8756, 34.4315



36.6053, 31.8756, 45.8183



27.0600, 31.8756, 20.1801

Square

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



36.6053, 31.8756, 45.8183



33.9620, 31.8756, 20.3732



24.7582, 31.8756, 25.5553



26.9053, 31.8756, 54.5535

Rectangle

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



36.6053, 31.8756, 45.8183



37.2770, 31.8756, 28.6174



24.7582, 31.8756, 25.5553



24.2474, 31.8756, 41.6047

Sweetspot

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



36.6063, 31.8770, 45.8190



75.7333, 75.5139, 89.3129



29.4825, 28.1459, 48.1353



16.6415, 16.5158, 19.6719



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



36.6063, 31.8770, 45.8190



63.6675, 52.7319, 81.1303



34.6798, 31.1064, 35.6746



9.3336, 9.1438, 11.1044



18.1409, 8.8301, 24.4266



0.6526, 0.3165, 0.9301

Inverse Universe

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



36.6063, 31.8770, 45.8190



63.6675, 52.7319, 81.1303



34.4181, 41.7817, 42.2801



9.3336, 9.1438, 11.1044



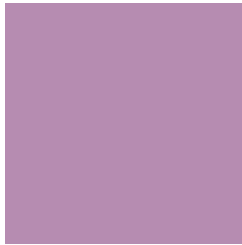
18.1409, 8.8301, 24.4266



0.6526, 0.3165, 0.9301

Previews

White Background



This preview shows how the XYZ color 36.6053, 31.8756, 45.8183 looks on a white background.

Color Contrast Check

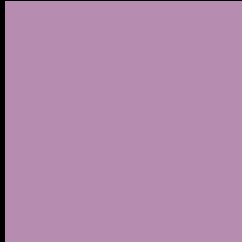
Large Text (above 18pt) WCAG AA × Fail

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 36.6053, 31.8756, 45.8183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

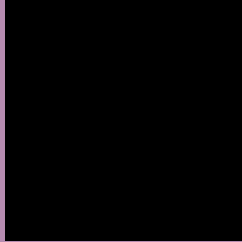
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6053, 31.8756, 45.8183

Background



This preview shows how black text looks on a background with the XYZ color 36.6053, 31.8756, 45.8183.



This preview shows how white text looks on a background with the XYZ color 36.6053, 31.8756,

45.8183.

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

36.6053, 31.8756, 45.8183

Protanopia

31.8393, 32.0702, 50.4110

Deuteranopia

32.5859, 31.8591, 44.9894



Tritanopia

34.4801, 31.8968, 35.3497

Trichromacy



Original Color

36.6053, 31.8756, 45.8183

Protanomaly

33.3315, 31.9281, 48.6620

Deuteranomaly

34.0517, 31.9078, 45.4384

Tritanomaly

35.2557, 31.9926, 38.9673

Monochromacy



Original Color

36.6053, 31.8756, 45.8183

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.4933, 32.9205, 39.7110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6053, 31.8756, 45.8183 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(182, 140, 177)` looks like.

```
.text, #text, p{  
    color:rgb(182, 140, 177)  
}
```

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(182, 140, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 140, 177) }
```

Border

The CSS property to change the border of an element to XYZ 36.6053, 31.8756, 45.8183 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(182, 140, 177) }
```


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

```
.border{ border-color:rgb(182, 140, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 140, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 140, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 140, 177);  
box-shadow:4px 4px 4px 4px rgb(182, 140,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6053, 31.8756, 45.8183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 140, 177) }
```

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

```
.background{ background-color: rgb(182,  
140, 177) }
```

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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