

Converting Colors

XYZ(35.9976, 26.9074, 50.2662)

Have a look what the booklet for
XYZ(35.9976, 26.9074, 50.2662)
contains.

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Color

**XYZ(36.0700, 27.0018,
50.3245)**

Conversions

Conversions Part 1

Format	Color
Hex	BC75BB
RGB	188, 117, 187
RGB Percent	74%, 46%, 73%
CMY	0.2627, 0.5412, 0.2667
CMYK	0.00, 0.38, 0.01, 0.26
HSL	301°, 35%, 60%
HSV	301°, 38%, 74%
XYZ	36.0700, 27.0018, 50.3245
YIQ	146.2090, 19.8460, 36.8220

Conversions

Conversions Part 2

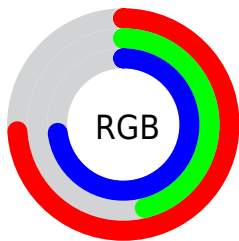
Format	Color
RYB	188, 117, 187
Decimal	12350907
CIELab	58.98, 38.83, -25.36
CIELCh	59, 46.376, 326.844
Yxy	27.0018, 0.3181, 0.2381
Android (android.graphics.Color)	4290540987 (0xFFBC75BB)
YUV	146.2090, 20.1100, 36.6507
Hunter-Lab	51.9633, 32.9691, -21.0459

Details

The XYZ color **36.0700, 27.0018, 50.3245** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.5905, 41.0574, 23.5591**, and the grayscale version is **27.3225, 28.7454, 31.3037**.

A 20% lighter version of the original color is **68.2086, 54.6330, 91.7443**, and **15.9242, 10.6042, 23.7618** is the 20% darker color. If you saturate the color by 10%, you get **34.0676, 23.0417, 49.5175**, and if you desaturate by 10%, it is **38.5141, 31.8441, 51.2796**.

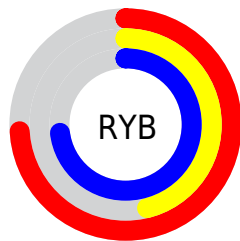
Distribution



Red (74%)

Green (46%)

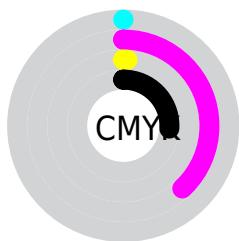
Blue (73%)



Red (74%)

Yellow (46%)

Blue (73%)

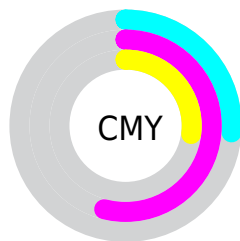


Cyan (0%)

Magenta (38%)

Yellow (1%)

Black (26%)



Cyan (26%)


Magenta (54%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0700, 27.0018, 50.3245 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 36.0700, 27.0018, 50.3245 by changing the saturation by 10% instead.

 36.0700, 27.0018,
50.3245


 36.0700, 27.0018,
50.3245


320.6923,
287.6658, 404.7049

 24.6586, 17.5746,
35.2983


 68.4633, 54.8868,
92.0567

 15.9503, 10.6450,
23.6074


 90.1759, 74.1133,
119.5999

 9.5796, 5.8287,
14.8331

 116.0529, 97.3750,
152.1524

 5.1812, 2.7412,
8.5570

146.4597,
125.0564, 190.1329

 2.3898, 0.9981,
4.3606

181.7618,
157.5417, 233.9598

 0.8400, 0.0000,
1.8252

222.3243,

 0.0000, 0.0000,

195.2155, 284.0518

0.4445

268.5127,
238.4621, 340.8273

■ 0.0000, 0.0000,
0.0000

■ 36.0700, 27.0018,
50.3245

■ 36.0700, 27.0018,
50.3245

■ 34.0676, 23.0417,
49.5175

■ 38.5141, 31.8441,
51.2796

■ 32.4777, 19.9072,
48.8479

■ 41.4216, 37.6134,
52.3891

■ 31.2719, 17.5408,
48.3067

■ 44.8157, 44.3561,
53.6611

■ 30.4170, 15.8762,
47.8826

■ 48.7177, 52.1143,
55.1026

■ 29.8743, 14.8359,
47.5629

■ 53.1471, 60.9274,
56.7202

■ 29.5854, 14.3030,
47.3281

■ 58.1229, 70.8331,
58.5202

■ 29.5335, 14.2092,
47.2798

■ 63.6628, 81.8670,
60.5085

■ 65.6978, 85.8909,
61.3287

■ 65.7266, 85.9024,
61.4805

Harmonies

Analogous

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



30.9838, 27.0018, 67.6352



36.0700, 27.0018, 50.3245



38.3527, 27.0018, 31.1773

Triad

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



36.0700, 27.0018, 50.3245



26.2776, 27.0018, 7.7718



17.0146, 27.0018, 46.1287

Complementary

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



36.0700, 27.0018, 50.3245



28.5905, 41.0574, 23.5591

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.



16.1376, 27.0018, 27.6923



36.0700, 27.0018, 50.3245



20.9916, 27.0018, 9.2404

Square

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



36.0700, 27.0018, 50.3245



32.1939, 27.0018, 10.0694



17.4813, 27.0018, 15.2677



20.0834, 27.0018, 64.6442

Rectangle

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



36.0700, 27.0018, 50.3245



37.7581, 27.0018, 21.1516



17.4813, 27.0018, 15.2677



16.4755, 27.0018, 39.5554

Sweetspot

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



36.0709, 27.0030, 50.3251



79.0177, 76.0102, 96.4298



22.7757, 20.1367, 50.2641



16.8110, 15.9853, 20.6689



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



36.0709, 27.0030, 50.3251



62.4153, 43.0902, 90.0176



32.8099, 25.6986, 33.1532



9.9240, 9.6939, 11.9889



20.1101, 9.6752, 32.2031



0.7896, 0.3797, 1.2713

Inverse Universe

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



36.0709, 27.0030, 50.3251



62.4153, 43.0902, 90.0176



31.0290, 42.0327, 36.3999



9.9240, 9.6939, 11.9889



20.1101, 9.6752, 32.2031



0.7896, 0.3797, 1.2713

Previews

White Background



This preview shows how the XYZ color 36.0700, 27.0018, 50.3245 looks on a white background.

Color Contrast Check

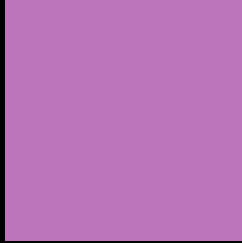
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.0700, 27.0018, 50.3245 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 × Fail

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

XYZ 36.0700, 27.0018, 50.3245

Background



This preview shows how black text looks on a background with the XYZ color 36.0700, 27.0018, 50.3245.



This preview shows how white text looks on a background with the XYZ color 36.0700, 27.0018,

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

36.0700, 27.0018, 50.3245

Protanopia

28.4236, 27.3015, 61.5292

Deuteranopia

27.9170, 27.3260, 48.6028



Tritanopia

31.3961, 26.9300, 27.2102

Trichromacy



Original Color

36.0700, 27.0018, 50.3245

Protanomaly

30.2984, 26.6907, 56.9810

Deuteranomaly

30.2294, 26.8332, 48.9335

Tritanomaly

32.7665, 26.7228, 34.4414

Monochromacy



Original Color

36.0700, 27.0018, 50.3245

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.7949, 27.4782, 37.4517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0700, 27.0018, 50.3245 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(188, 117, 187)` looks like.

```
.text, #text, p{  
    color:rgb(188, 117, 187)  
}
```

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(188, 117, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 117, 187) }
```

Border

The CSS property to change the border of an element to XYZ 36.0700, 27.0018, 50.3245 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(188, 117, 187) }
```


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

```
.border{ border-color:rgb(188, 117, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 117, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 117, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 117, 187);  
box-shadow:4px 4px 4px 4px rgb(188, 117,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0700, 27.0018, 50.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 117, 187) }
```

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

```
.background{ background-color: rgb(188,  
117, 187) }
```

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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