

Converting Colors

XYZ(36.7293, 26.8711, 54.1720)

Have a look what the booklet for
XYZ(36.7293, 26.8711, 54.1720)
contains.

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Color

**XYZ(36.8546, 26.9753,
54.3032)**

Conversions

Conversions Part 1

Format	Color
Hex	BD73C2
RGB	189, 115, 194
RGB Percent	74%, 45%, 76%
CMY	0.2588, 0.5490, 0.2392
CMYK	0.03, 0.41, 0.00, 0.24
HSL	296°, 39%, 61%
HSV	296°, 41%, 76%
XYZ	36.8546, 26.9753, 54.3032
YIQ	146.1320, 18.7450, 40.2570

Conversions

Conversions Part 2

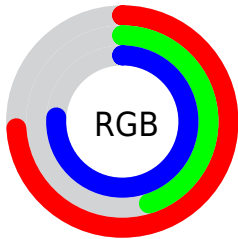
Format	Color
R_{YB}	189, 115, 194
Decimal	12415938
CIE _{Lab}	58.95, 41.54, -29.38
CIE _{LCh}	59, 50.877, 324.728
Yxy	26.9753, 0.3120, 0.2283
Android (android.graphics.Color)	4290606018 (0xFFBD73C2)
YUV	146.1320, 23.5989, 37.5952
Hunter-Lab	51.9378, 35.7711, -25.6339

Details

The XYZ color **36.8546, 26.9753, 54.3032** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **30.1329, 43.8150, 23.0899**, and the grayscale version is **27.2774, 28.6980, 31.2521**.

A 20% lighter version of the original color is **69.9583, 55.1151, 98.2179**, and **16.3985, 10.6286, 25.9982** is the 20% darker color. If you saturate the color by 10%, you get **34.5679, 22.8514, 53.6281**, and if you desaturate by 10%, it is **39.6112, 32.0339, 55.1347**.

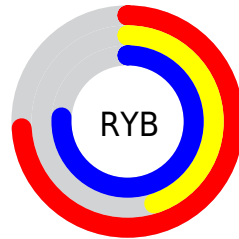
Distribution



Red (74%)

Green (45%)

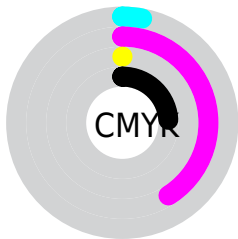
Blue (76%)



Red (74%)

Yellow (45%)

Blue (76%)

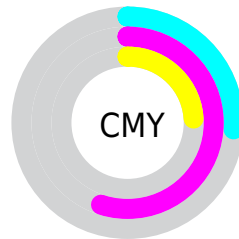


Cyan (3%)

Magenta (41%)

Yellow (0%)

Black (24%)



Cyan (26%)


Magenta (55%)


Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8546, 26.9753, 54.3032 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 36.8546, 26.9753, 54.3032 by changing the saturation by 10% instead.


 36.8546, 26.9753,
54.3032


 36.8546, 26.9753,
54.3032


324.0471,
287.5375, 420.4724

 25.2681, 17.5547,
38.4493


 69.6644, 54.8442,
97.9802

 16.4067, 10.6307,
26.0270


 91.6184, 74.0613,
126.6403

 9.9051, 5.8191,
16.6179


 117.7589, 97.3127,
160.4063

 5.3978, 2.7354,
9.8034

148.4513,
124.9827, 199.6966

 2.5197, 0.9952,
5.1649

184.0610,
157.4558, 244.9299

 0.9052, 0.0000,
2.2839

224.9533,

 0.0000, 0.0000,

195.1164, 296.5245

0.7222

271.4935,
238.3488, 354.8992

■ 0.0000, 0.0000,
0.0000

■ 36.8546, 26.9753,
54.3032

■ 36.8546, 26.9753,
54.3032

■ 34.5679, 22.8514,
53.6281

■ 39.6112, 32.0339,
55.1347

■ 32.7188, 19.5997,
53.0979

■ 42.8619, 38.0774,
56.1299

■ 31.2756, 17.1559,
52.7023

■ 46.6324, 45.1567,
57.2976

■ 30.2008, 15.4450,
52.4287

■ 50.9459, 53.3180,
58.6456

■ 29.4499, 14.3783,
52.2624

■ 55.8241, 62.6050,
60.1810

■ 28.9639, 13.8065,
52.1777

■ 61.2876, 73.0587,
61.9108

■ 67.3560, 84.7182,
63.8415

■ 69.0039, 87.5330,
64.2980

■ 69.3306, 87.7014,
64.3132

Harmonies

Analogous

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



31.0475, 26.9753, 73.4923



36.8546, 26.9753, 54.3032



39.6914, 26.9753, 32.6754

Triad

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



36.8546, 26.9753, 54.3032



26.7683, 26.9753, 6.6002



16.1356, 26.9753, 46.4046

Complementary

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



36.8546, 26.9753, 54.3032



30.1329, 43.8150, 23.0899

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.



15.3700, 26.9753, 26.2982



36.8546, 26.9753, 54.3032



20.8986, 26.9753, 7.7865

Square

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



36.8546, 26.9753, 54.3032



33.2893, 26.9753, 9.1773



16.9668, 26.9753, 13.5483



19.2613, 26.9753, 67.7731

Rectangle

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



36.8546, 26.9753, 54.3032



39.2291, 26.9753, 21.4051



16.9668, 26.9753, 13.5483



15.6179, 26.9753, 39.1035

Sweetspot

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



36.8555, 26.9765, 54.3038



83.4204, 79.8049, 103.4769



23.5575, 21.0383, 53.8585



18.0606, 17.0857, 22.5959



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.8555, 26.9765, 54.3038



62.9838, 42.0360, 97.2639



34.7044, 26.2618, 36.3917



10.4323, 10.2140, 12.7065



19.0690, 9.0909, 34.3063



0.8433, 0.4028, 1.4832

Inverse Universe

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



31.7699, 25.0880, 20.9383



52.6105, 38.2082, 28.1104



31.8064, 44.4064, 35.4276



10.0985, 10.0880, 10.6091



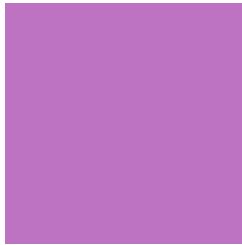
14.6832, 7.5630, 0.9779



0.6435, 0.3304, 0.0901

Previews

White Background



This preview shows how the XYZ color 36.8546, 26.9753, 54.3032 looks on a white background.

Color Contrast Check

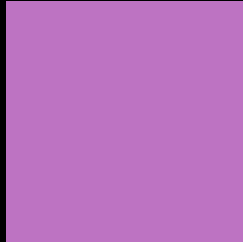
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.8546, 26.9753, 54.3032 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 36.8546, 26.9753, 54.3032

Background



This preview shows how black text looks on a background with the XYZ color 36.8546, 26.9753, 54.3032.



This preview shows how white text looks on a background with the XYZ color 36.8546, 26.9753,

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

36.8546, 26.9753, 54.3032

Protanopia

28.8518, 27.3931, 67.3851

Deuteranopia

27.7693, 27.1761, 51.9260



Tritanopia

31.1608, 26.8086, 27.1991

Trichromacy



Original Color

36.8546, 26.9753, 54.3032

Protanomaly

30.7065, 26.5772, 62.5430

Deuteranomaly

30.2828, 26.5735, 52.8233

Tritanomaly

33.0217, 26.8249, 35.7850

Monochromacy



Original Color

36.8546, 26.9753, 54.3032

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

30.1751, 27.6537, 38.3976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8546, 26.9753, 54.3032 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(189, 115, 194)` looks like.

```
.text, #text, p{  
    color:rgb(189, 115, 194)  
}
```

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(189, 115, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 115, 194) }
```

Border

The CSS property to change the border of an element to XYZ 36.8546, 26.9753, 54.3032 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(189, 115, 194) }
```


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

```
.border{ border-color:rgb(189, 115, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 115, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 115, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 115, 194);  
box-shadow:4px 4px 4px 4px rgb(189, 115,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8546, 26.9753, 54.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 115, 194) }
```

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

```
.background{ background-color: rgb(189,  
115, 194) }
```

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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