

Converting Colors

XYZ(36.2588, 27.0490, 52.6001)

Have a look what the booklet for
XYZ(36.2588, 27.0490, 52.6001)
contains.

XYZ(36.2588, 27.0490, 52.6001)	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(36.2588, 27.0490,
52.6001)**

Conversions

Conversions Part 1

Format	Color
Hex	BB75BF
RGB	187, 117, 191
RGB Percent	73%, 46%, 75%
CMY	0.2667, 0.5412, 0.2510
CMYK	0.02, 0.39, 0.00, 0.25
HSL	297°, 37%, 60%
HSV	297°, 39%, 75%
XYZ	36.2588, 27.0490, 52.6001
YIQ	146.3660, 17.9660, 37.8540

Conversions

Conversions Part 2

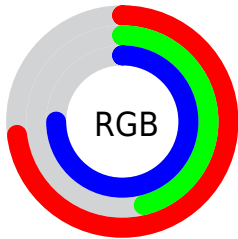
Format	Color
R_{YB}	187, 117, 191
Decimal	12285375
CIE _{Lab}	59.02, 39.27, -27.59
CIE _{LCh}	59, 47.989, 324.912
Yxy	27.0490, 0.3128, 0.2334
Android (android.graphics.Color)	4290475455 (0xFFBB75BF)
YUV	146.3660, 22.0046, 35.6360
Hunter-Lab	52.0087, 33.4295, -23.5582

Details

The XYZ color **36.2588, 27.0490, 52.6001** is a light color, and the websafe version is hex **996699**. A complement of this color would be **29.7277, 42.6115, 23.4890**, and the grayscale version is **27.3799, 28.8058, 31.3695**.

A 20% lighter version of the original color is **68.6262, 54.7599, 95.7596**, and **15.9793, 10.6081, 24.8723** is the 20% darker color. If you saturate the color by 10%, you get **34.0050, 22.9143, 51.9212**, and if you desaturate by 10%, it is **38.9703, 32.0950, 53.4316**.

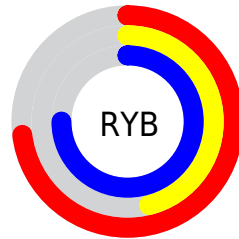
Distribution



Red (73%)

Green (46%)

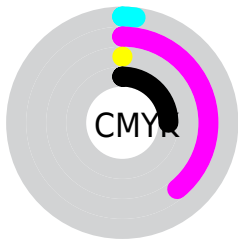
Blue (75%)



Red (73%)

Yellow (46%)

Blue (75%)

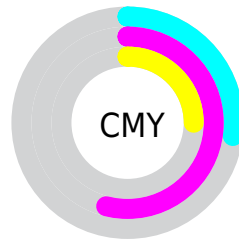


Cyan (2%)

Magenta (39%)

Yellow (0%)

Black (25%)



Cyan (27%)


Magenta (54%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2588, 27.0490, 52.6001 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 36.2588, 27.0490, 52.6001 by changing the saturation by 10% instead.


 36.2588, 27.0490,
52.6001

 36.2588, 27.0490,
52.6001


321.5018,
287.8943, 413.7717

 24.8052, 17.6100,
37.0981


 68.7526, 54.9625,
95.4512

 16.0599, 10.6704,
24.9871


 90.5235, 74.2058,
123.6374

 9.6577, 5.8456,
15.8485


 116.4641, 97.4860,
156.8888

 5.2331, 2.7514,
9.2638

146.9400,
125.1875, 195.6238

 2.4208, 1.0034,
4.8145

182.3163,
157.6947, 240.2611

 0.8555, 0.0000,
2.0820

222.9585,

 0.0000, 0.0000,

195.3919, 291.2191

0.6050

269.2319,
238.6637, 348.9165

■ 0.0000, 0.0000,
0.0000

■ 36.2588, 27.0490,
52.6001

■ 36.2588, 27.0490,
52.6001

■ 34.0050, 22.9143,
51.9212

■ 38.9703, 32.0950,
53.4316

■ 32.1783, 19.6318,
51.3839

■ 42.1621, 38.0997,
54.4224

■ 30.7488, 17.1410,
50.9785


■ 45.8588, 45.1113,
55.5809


■ 29.6814, 15.3719,
50.6932


■ 50.0823, 53.1740,
56.9145


■ 28.9352, 14.2423,
50.5145


■ 54.8534, 62.3290,
58.4302


 28.4411, 13.6143,
50.4194

 60.1916, 72.6157,
60.1344

 28.3846, 13.5465,
50.4093

 66.1156, 84.0711,
62.0333

 67.7369, 86.9183,
62.4974

 68.0050, 87.0566,
62.5099

Harmonies

Analogous

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



30.8384, 27.0490, 70.3094



36.2588, 27.0490, 52.6001



38.8788, 27.0490, 32.4557

Triad

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



36.2588, 27.0490, 52.6001



26.7378, 27.0490, 7.3800



16.6626, 27.0490, 45.5304

Complementary

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



36.2588, 27.0490, 52.6001



29.7277, 42.6115, 23.4890

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.



15.9104, 27.0490, 26.6391



36.2588, 27.0490, 52.6001



21.1829, 27.0490, 8.6029

Square

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



36.2588, 27.0490, 52.6001



32.8662, 27.0490, 9.9473



17.4345, 27.0490, 14.3411



19.6749, 27.0490, 65.2432

Rectangle

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



36.2588, 27.0490, 52.6001



38.4321, 27.0490, 21.7958



17.4345, 27.0490, 14.3411



16.1589, 27.0490, 38.7185

Sweetspot

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



36.2597, 27.0502, 52.6007



79.7449, 76.2547, 98.7948



23.6926, 21.4475, 52.1816



17.3168, 16.3758, 21.6334



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.



36.2597, 27.0502, 52.6007



61.6524, 42.4044, 93.2146



34.1002, 26.3010, 36.0509



9.8776, 9.6693, 12.0180



18.6762, 8.9140, 33.1291



0.7473, 0.3573, 1.2984

Inverse Universe

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



31.2992, 25.1806, 21.3010



51.6599, 38.6543, 29.4405



31.3980, 43.2162, 35.1495



9.5505, 9.5445, 10.0220



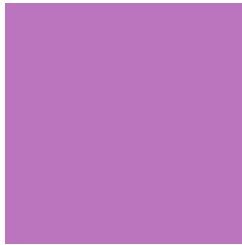
14.1670, 7.2980, 0.9073



0.5622, 0.2888, 0.0736

Previews

White Background



This preview shows how the XYZ color 36.2588, 27.0490, 52.6001 looks on a white background.

Color Contrast Check

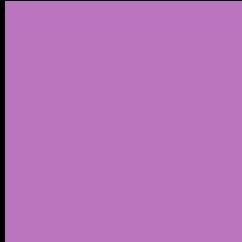
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.2588, 27.0490, 52.6001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

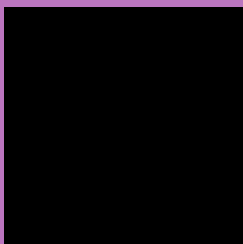
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.2588, 27.0490, 52.6001

Background



This preview shows how black text looks on a background with the XYZ color 36.2588, 27.0490, 52.6001.



This preview shows how white text looks on a background with the XYZ color 36.2588, 27.0490,

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

36.2588, 27.0490, 52.6001

Protanopia

28.4945, 27.2816, 64.0856

Deuteranopia

27.8634, 27.2496, 50.8048



Tritanopia

31.1290, 26.9766, 27.6111

Trichromacy



Original Color

36.2588, 27.0490, 52.6001

Protanomaly

30.4135, 26.6961, 59.4270

Deuteranomaly

30.2773, 26.8088, 51.1558

Tritanomaly

32.8219, 26.9169, 35.3639

Monochromacy



Original Color

36.2588, 27.0490, 52.6001

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.8835, 27.5136, 37.9181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2588, 27.0490, 52.6001 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(187, 117, 191)` looks like.

```
.text, #text, p{  
    color:rgb(187, 117, 191)  
}
```

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(187, 117, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 117, 191) }
```

Border

The CSS property to change the border of an element to XYZ 36.2588, 27.0490, 52.6001 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(187, 117, 191) }
```


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

```
.border{ border-color:rgb(187, 117, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 117, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 117, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 117, 191);  
box-shadow:4px 4px 4px 4px rgb(187, 117,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2588, 27.0490, 52.6001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 117, 191) }
```

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

```
.background{ background-color: rgb(187,  
117, 191) }
```

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