

Converting Colors

XYZ(36.8996, 27.1265, 52.2989)

Have a look what the booklet for
XYZ(36.8996, 27.1265, 52.2989)
contains.

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Color

**XYZ(37.0206, 27.0994,
52.5697)**

Conversions

Conversions Part 1

Format	Color
Hex	BF73BF
RGB	191, 115, 191
RGB Percent	75%, 45%, 75%
CMY	0.2510, 0.5490, 0.2510
CMYK	0.00, 0.40, 0.00, 0.25
HSL	300°, 37%, 60%
HSV	300°, 40%, 75%
XYZ	37.0206, 27.0994, 52.5697
YIQ	146.3880, 20.9000, 39.7480

Conversions

Conversions Part 2

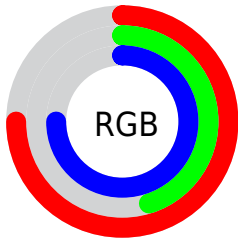
Format	Color
RYB	191, 115, 191
Decimal	12547007
CIELab	59.07, 41.59, -27.48
CIELCh	59, 49.845, 326.550
Yxy	27.0994, 0.3173, 0.2322
Android (android.graphics.Color)	4290737087 (0xFFBF73BF)
YUV	146.3880, 21.9937, 39.1247
Hunter-Lab	52.0571, 35.8411, -23.4339

Details

The XYZ color **37.0206, 27.0994, 52.5697** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **28.7967, 42.1453, 22.8383**, and the grayscale version is **27.3881, 28.8144, 31.3789**.

A 20% lighter version of the original color is **70.1982, 55.2930, 95.7797**, and **16.5021, 10.7072, 24.8638** is the 20% darker color. If you saturate the color by 10%, you get **35.0644, 23.1864, 51.9178**, and if you desaturate by 10%, it is **39.4298, 31.9172, 53.3732**.

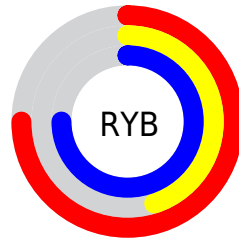
Distribution



Red (75%)

Green (45%)

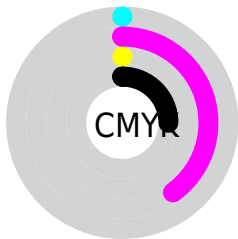
Blue (75%)



Red (75%)

Yellow (45%)

Blue (75%)

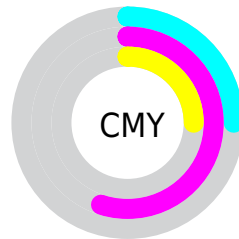


Cyan (0%)

Magenta (40%)

Yellow (0%)

Black (25%)



Cyan (25%)

Magenta (55%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0206, 27.0994, 52.5697 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 37.0206, 27.0994, 52.5697 by changing the saturation by 10% instead.

37.0206, 27.0994,
52.5697

37.0206, 27.0994,
52.5697

324.7537,
288.1381, 413.6514

25.3972, 17.6479,
37.0740

69.9181, 55.0433,
95.4060

16.5035, 10.6975,
24.9686

91.9229, 74.3045,
123.5837

9.9743, 5.8638,
15.8348

118.1188, 97.6044,
156.8258

5.4440, 2.7624,
9.2543

148.8713,
125.3274, 195.5509

2.5475, 1.0090,
4.8083

184.5457,
157.8579, 240.1774

0.9193, 0.0000,
2.0785

225.5073,

0.0000, 0.0000,

195.5802, 291.1240

0.6029

272.1215,
238.8788, 348.8091

■ 0.0000, 0.0000,
0.0000

■ 37.0206, 27.0994,
52.5697

■ 37.0206, 27.0994,
52.5697

■ 35.0644, 23.1864,
51.9178

■ 39.4298, 31.9172,
53.3732

■ 33.5304, 20.1185,
51.4063

■ 42.3151, 37.6877,
54.3350

■ 32.3884, 17.8345,
51.0255


■ 45.7009, 44.4594,
55.4638

■ 31.6028, 16.2633,
50.7635


■ 49.6096, 52.2766,
56.7668


■ 31.1316, 15.3211,
50.6064


■ 54.0619, 61.1812,
58.2510


 30.8945, 14.8469,
50.5272

 59.0775, 71.2123,
59.9230

 30.8901, 14.8381,
50.5257

 64.6751, 82.4075,
61.7890

 66.6505, 86.3583,
62.4476

 66.6505, 86.3583,
62.4477

Harmonies

Analogous

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



31.4527, 27.0994, 71.7160



37.0206, 27.0994, 52.5697



39.5602, 27.0994, 31.6061

Triad

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



37.0206, 27.0994, 52.5697



26.4802, 27.0994, 6.8826



16.5087, 27.0994, 47.5185

Complementary

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



37.0206, 27.0994, 52.5697



28.7967, 42.1453, 22.8383

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.



15.6085, 27.0994, 27.5022



37.0206, 27.0994, 52.5697



20.7944, 27.0994, 8.3102

Square

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



37.0206, 27.0994, 52.5697



32.8916, 27.0994, 9.2232



17.0470, 27.0994, 14.4220



19.7371, 27.0994, 68.0709

Rectangle

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



37.0206, 27.0994, 52.5697



38.9357, 27.0994, 20.8220



17.0470, 27.0994, 14.4220



15.9486, 27.0994, 40.3219

Sweetspot

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



37.0215, 27.1006, 52.5703



80.3092, 76.5456, 98.8209



22.6061, 19.6692, 51.8962



17.4541, 16.4465, 21.6398



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.



37.0215, 27.1006, 52.5703



63.1242, 42.1759, 93.0917



33.3675, 25.6390, 33.3284



9.9300, 9.6963, 12.0204



20.3002, 9.7512, 33.2043



0.7952, 0.3820, 1.3006

Inverse Universe

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



37.0215, 27.1006, 52.5703



63.1242, 42.1759, 93.0917



31.4519, 43.2074, 36.8204



9.9300, 9.6963, 12.0204



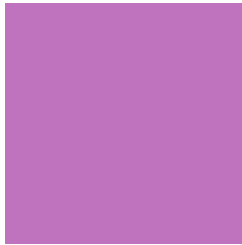
20.3002, 9.7512, 33.2043



0.7952, 0.3820, 1.3006

Previews

White Background



This preview shows how the XYZ color 37.0206, 27.0994, 52.5697 looks on a white background.

Color Contrast Check

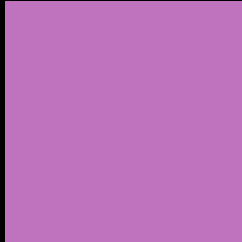
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.0206, 27.0994, 52.5697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

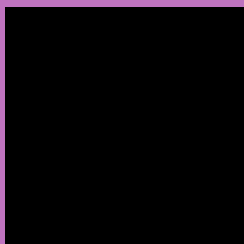
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.0206, 27.0994, 52.5697

Background



This preview shows how black text looks on a background with the XYZ color 37.0206, 27.0994, 52.5697.



This preview shows how white text looks on a background with the XYZ color 37.0206, 27.0994,

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

37.0206, 27.0994, 52.5697

Protanopia

28.7437, 27.3813, 65.3982

Deuteranopia

27.9139, 27.2879, 50.2502



Tritanopia

31.8005, 27.1467, 26.8563

Trichromacy



Original Color

37.0206, 27.0994, 52.5697

Protanomaly

30.6924, 26.6120, 60.6457

Deuteranomaly

30.5198, 26.7335, 51.1285

Tritanomaly

33.5772, 27.1310, 34.9196

Monochromacy



Original Color

37.0206, 27.0994, 52.5697

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

30.0859, 27.6180, 37.9275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0206, 27.0994, 52.5697 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(191, 115, 191)` looks like.

```
.text, #text, p{  
    color:rgb(191, 115, 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(191, 115, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 115, 191) }
```

Border

The CSS property to change the border of an element to XYZ 37.0206, 27.0994, 52.5697 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(191, 115, 191) }
```


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

```
.border{ border-color:rgb(191, 115, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 115, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 115, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 115, 191);  
box-shadow:4px 4px 4px 4px rgb(191, 115,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0206, 27.0994, 52.5697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 115, 191) }
```

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

```
.background{ background-color: rgb(191,  
115, 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](#).

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