

Converting Colors

XYZ(38.9693, 30.8599, 53.3358)

Have a look what the booklet for
XYZ(38.9693, 30.8599, 53.3358)
contains.

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Color

**XYZ(38.8725, 30.8032,
53.1870)**

Conversions

Conversions Part 1

Format	Color
Hex	BF82BF
RGB	191, 130, 191
RGB Percent	75%, 51%, 75%
CMY	0.2510, 0.4902, 0.2510
CMYK	0.00, 0.32, 0.00, 0.25
HSL	300°, 32%, 63%
HSV	300°, 32%, 75%
XYZ	38.8725, 30.8032, 53.1870
YIQ	155.1930, 16.7750, 31.9030

Conversions

Conversions Part 2

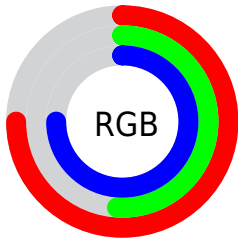
Format	Color
RYB	191, 130, 191
Decimal	12550847
CIELab	62.34, 33.46, -22.44
CIELCh	62, 40.291, 326.154
Yxy	30.8032, 0.3164, 0.2507
Android (android.graphics.Color)	4290740927 (0xFFBF82BF)
YUV	155.1930, 17.6529, 31.4027
Hunter-Lab	55.5006, 27.8948, -17.9680

Details

The XYZ color **38.8725, 30.8032, 53.1870** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.8673, 43.6203, 27.8608**, and the grayscale version is **31.1611, 32.7839, 35.7016**.

A 20% lighter version of the original color is **72.6404, 60.9528, 95.9322**, and **17.4647, 12.6323, 25.1847** is the 20% darker color. If you saturate the color by 10%, you get **36.5642, 26.1861, 52.4178**, and if you desaturate by 10%, it is **41.6543, 36.3661, 54.1147**.

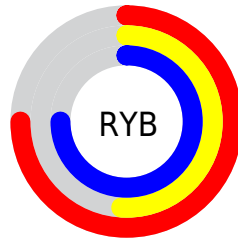
Distribution



Red (75%)

Green (51%)

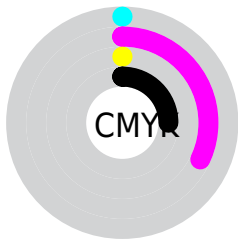
Blue (75%)



Red (75%)

Yellow (51%)

Blue (75%)

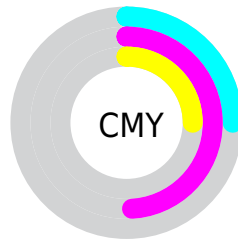


Cyan (0%)

Magenta (32%)

Yellow (0%)

Black (25%)



Cyan (25%)


Magenta (49%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8725, 30.8032, 53.1870 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 38.8725, 30.8032, 53.1870 by changing the saturation by 10% instead.


 38.8725, 30.8032,
53.1870


 38.8725, 30.8032,
53.1870

332.5646,
305.6306, 416.0888


 26.8408, 20.4490,
37.5633


 72.7388, 60.9301,
96.3238

 17.5897, 12.7219,
25.3448

 95.3042, 81.4716,
124.6740

 10.7537, 7.2373,
16.1127


 122.1115,
106.1777, 158.1035

 5.9675, 3.6109,
9.4487

153.5261,
135.4328, 197.0308

 2.8658, 1.4584,
4.9342

189.9134,
169.6212, 241.8744

 1.0832, 0.2592,
2.1507

231.6386,

 0.0110, 0.0000,

209.1274, 293.0529

0.6457

279.0673,
254.3357, 350.9849

■ 0.0000, 0.0000,
0.0000

■ 38.8725, 30.8032,
53.1870

■ 38.8725, 30.8032,
53.1870

■ 36.5642, 26.1861,
52.4178

■ 41.6543, 36.3661,
54.1147

■ 34.7004, 22.4585,
51.7964

■ 44.9308, 42.9190,
55.2070

■ 33.2533, 19.5644,
51.3139

■ 48.7254, 50.5083,
56.4720

■ 32.1910, 17.4397,
50.9596

■ 53.0593, 59.1760,
57.9168

■ 31.4767, 16.0112,
50.7214

■ 57.9524, 68.9621,
59.5480

■ 31.0667, 15.1913,
50.5846

■ 63.4235, 79.9044,
61.3718

■ 30.8901, 14.8381,
50.5256

■ 66.6505, 86.3583,
62.4476

■ 66.6505, 86.3583,
62.4478

■ 66.6506, 86.3583,
62.4479

Harmonies

Analogous

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



34.1441, 30.8032, 68.3373



38.8725, 30.8032, 53.1870



41.0280, 30.8032, 35.5932

Triad

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



38.8725, 30.8032, 53.1870



29.9861, 30.8032, 11.6217



20.8421, 30.8032, 48.5847

Complementary

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



38.8725, 30.8032, 53.1870



31.8673, 43.6203, 27.8608

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.



20.0166, 30.8032, 31.5663



38.8725, 30.8032, 53.1870



24.8968, 30.8032, 13.1684

Square

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



38.8725, 30.8032, 53.1870



35.5109, 30.8032, 14.2776



21.4076, 30.8032, 19.4464



23.8199, 30.8032, 65.1525

Rectangle

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



38.8725, 30.8032, 53.1870



40.5414, 30.8032, 25.8629



21.4076, 30.8032, 19.4464



20.3210, 30.8032, 42.6020

Sweetspot

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



38.8735, 30.8046, 53.1877



81.6088, 79.1447, 99.2541



26.5939, 24.4742, 52.6135



17.7198, 16.9780, 21.7284



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.



38.8735, 30.8046, 53.1877



66.7735, 49.4743, 94.3083



35.8587, 29.5986, 37.3120



9.9300, 9.6963, 12.0204



20.3002, 9.7512, 33.2042



0.7952, 0.3820, 1.3006

Inverse Universe

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



38.8735, 30.8046, 53.1877



66.7735, 49.4743, 94.3083



34.2270, 44.5641, 40.2866



9.9300, 9.6963, 12.0204



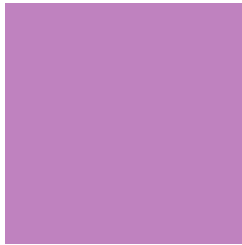
20.3002, 9.7512, 33.2042



0.7952, 0.3820, 1.3006

Previews

White Background



This preview shows how the XYZ color 38.8725, 30.8032, 53.1870 looks on a white background.

Color Contrast Check

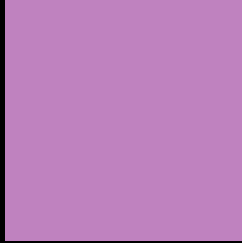
Large Text (above 18pt) WCAG AA × Fail

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 38.8725, 30.8032, 53.1870 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 38.8725, 30.8032, 53.1870

Background



This preview shows how black text looks on a background with the XYZ color 38.8725, 30.8032, 53.1870.



This preview shows how white text looks on a background with the XYZ color 38.8725, 30.8032,

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

38.8725, 30.8032, 53.1870

Protanopia

31.7586, 31.0536, 62.0777

Deuteranopia

31.6996, 31.0137, 51.8924



Tritanopia

34.5209, 30.6612, 32.5325

Trichromacy



Original Color

38.8725, 30.8032, 53.1870

Protanomaly

33.6159, 30.4847, 58.7560

Deuteranomaly

33.8144, 30.5104, 52.2510

Tritanomaly

35.8583, 30.5731, 39.1332

Monochromacy



Original Color

38.8725, 30.8032, 53.1870

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.4952, 31.7098, 41.4010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8725, 30.8032, 53.1870 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, 130, 191)` looks like.

```
.text, #text, p{  
    color:rgb(191, 130, 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, 130, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 130, 191) }
```

Border

The CSS property to change the border of an element to XYZ 38.8725, 30.8032, 53.1870 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, 130, 191) }
```


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

```
.border{ border-color:rgb(191, 130, 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, 130, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 130, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 130, 191);  
box-shadow:4px 4px 4px 4px rgb(191, 130,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8725, 30.8032, 53.1870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 130, 191) }
```

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

```
.background{ background-color: rgb(191,  
130, 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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