

Converting Colors

XYZ(38.8560, 32.7647, 53.0990)

Have a look what the booklet for
XYZ(38.8560, 32.7647, 53.0990)
contains.

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Color

**XYZ(38.7766, 32.6220,
52.9681)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8BBE
RGB	186, 139, 190
RGB Percent	73%, 55%, 75%
CMY	0.2706, 0.4549, 0.2549
CMYK	0.02, 0.27, 0.00, 0.25
HSL	295°, 28%, 65%
HSV	295°, 27%, 75%
XYZ	38.7766, 32.6220, 52.9681
YIQ	158.8670, 11.6410, 25.8250

Conversions

Conversions Part 2

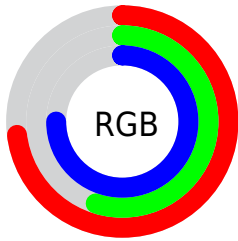
Format	Color
RYB	186, 139, 190
Decimal	12225470
CIELab	63.85, 26.64, -19.62
CIElCh	64, 33.081, 323.632
Yxy	32.6220, 0.3118, 0.2623
Android (android.graphics.Color)	4290415550 (0xFFBA8BBE)
YUV	158.8670, 15.3486, 23.7956
Hunter-Lab	57.1157, 21.2336, -15.0036

Details

The XYZ color **38.7766, 32.6220, 52.9681** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.4024, 44.5314, 31.2098**, and the grayscale version is **32.8231, 34.5325, 37.6059**.

A 20% lighter version of the original color is **72.6667, 63.8484, 95.6828**, and **17.5208, 13.6911, 25.3861** is the 20% darker color. If you saturate the color by 10%, you get **35.9012, 27.4053, 52.1132**, and if you desaturate by 10%, it is **42.1359, 38.7997, 53.9840**.

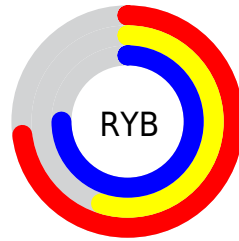
Distribution



Red (73%)

Green (55%)

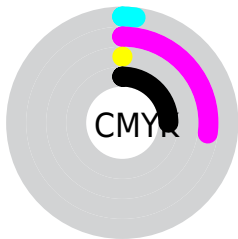
Blue (75%)



Red (73%)

Yellow (55%)

Blue (75%)

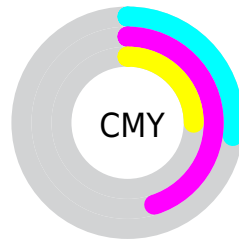


Cyan (2%)

Magenta (27%)

Yellow (0%)

Black (25%)



Cyan (27%)


Magenta (45%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7766, 32.6220, 52.9681 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 38.7766, 32.6220, 52.9681 by changing the saturation by 10% instead.


 38.7766, 32.6220,
52.9681


 38.7766, 32.6220,
52.9681


332.1633,
313.9430, 415.2255


 26.7659, 21.8370,
37.3898


 72.5932, 63.7849,
95.9985

 17.5332, 13.7372,
25.2113


 95.1298, 84.9317,
124.2876

 10.7130, 7.9381,
16.0141


 121.9057,
110.3011, 157.6508

 5.9401, 4.0554,
9.3796

153.2864,
140.2777, 196.5065

 2.8490, 1.7046,
4.8894

189.6371,
175.2458, 241.2732

 1.0744, 0.4266,
2.1249

231.3233,

 0.0035, 0.0000,

215.5898, 292.3697

0.6306

278.7102,
261.6940, 350.2142

■ 0.0000, 0.0000,
0.0000

■ 38.7766, 32.6220,
52.9681

■ 38.7766, 32.6220,
52.9681

■ 35.9012, 27.4053,
52.1132

■ 42.1359, 38.7997,
53.9840

■ 33.4820, 23.0958,
51.4089

■ 45.9990, 45.9801,
55.1663

■ 31.4929, 19.6410,
50.8469

■ 50.3884, 54.2075,
56.5230

■ 29.9041, 16.9814,
50.4173

■ 55.3244, 63.5222,
58.0608

■ 28.6821, 15.0497,
50.1088

■ 60.8260, 73.9627,
59.7860

■ 27.7875, 13.7675,
49.9085

■ 66.9116, 85.5654,
61.7048

■ 27.1673, 13.0283,
49.7985

■ 67.9317, 87.0315,
61.9340

■ 26.9962, 12.8434,
49.7718

■ 68.3224, 87.2329,
61.9523

■ 68.7169, 87.4362,
61.9708

Harmonies

Analogous

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



34.7299, 32.6220, 64.5191



38.7766, 32.6220, 52.9681



40.7670, 32.6220, 38.4360

Triad

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



38.7766, 32.6220, 52.9681



32.0084, 32.6220, 15.6665



23.5158, 32.6220, 46.8038

Complementary

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



38.7766, 32.6220, 52.9681



34.4024, 44.5314, 31.2098

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.



22.9429, 32.6220, 32.7550



38.7766, 32.6220, 52.9681



27.5588, 32.6220, 16.8476

Square

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



38.7766, 32.6220, 52.9681



36.6154, 32.6220, 18.6345



24.3501, 32.6220, 22.3978



26.0014, 32.6220, 60.3830

Rectangle

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



38.7766, 32.6220, 52.9681



40.5314, 32.6220, 29.8206



24.3501, 32.6220, 22.3978



23.1042, 32.6220, 41.9025

Sweetspot

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



38.7776, 32.6234, 52.9688



82.4009, 81.5395, 99.6748



29.8031, 28.9282, 52.7286



17.8508, 17.4513, 21.8129



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.



38.7776, 32.6234, 52.9688



67.2062, 53.5414, 95.0715



37.6068, 32.2689, 41.6606



9.8541, 9.6572, 12.0169



17.9813, 8.5558, 33.0966



0.7265, 0.3465, 1.2975

Inverse Universe

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



35.4268, 31.3969, 30.1809



60.2001, 50.9881, 46.9206



35.4290, 44.8635, 40.1659



9.5597, 9.5482, 10.0705



14.1891, 7.3068, 1.0232



0.5662, 0.2904, 0.0951

Previews

White Background



This preview shows how the XYZ color 38.7766, 32.6220, 52.9681 looks on a white background.

Color Contrast Check

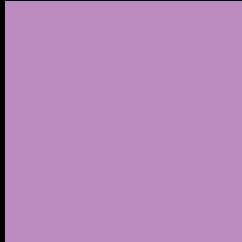
Large Text (above 18pt) WCAG AA × Fail

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 38.7766, 32.6220, 52.9681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

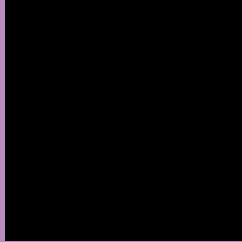
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7766, 32.6220, 52.9681

Background



This preview shows how black text looks on a background with the XYZ color 38.7766, 32.6220, 52.9681.



This preview shows how white text looks on a background with the XYZ color 38.7766, 32.6220,

52.9681.

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

38.7766, 32.6220, 52.9681

Protanopia

33.1443, 32.7922, 59.2262

Deuteranopia

33.6318, 32.9573, 52.1658



Tritanopia

35.2673, 32.5089, 36.3143

Trichromacy



Original Color

38.7766, 32.6220, 52.9681

Protanomaly

34.8518, 32.5363, 56.6678

Deuteranomaly

35.3449, 32.6486, 52.5830

Tritanomaly

36.5123, 32.5768, 41.8997

Monochromacy



Original Color

38.7766, 32.6220, 52.9681

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.8461, 33.7938, 42.7165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7766, 32.6220, 52.9681 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(186, 139, 190)` looks like.

```
.text, #text, p{  
    color:rgb(186, 139, 190)  
}
```

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(186, 139, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 139, 190) }
```

Border

The CSS property to change the border of an element to XYZ 38.7766, 32.6220, 52.9681 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(186, 139, 190) }
```


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

```
.border{ border-color:rgb(186, 139, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 139, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 139, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 139, 190);  
box-shadow:4px 4px 4px 4px rgb(186, 139,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7766, 32.6220, 52.9681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 139, 190) }
```

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

```
.background{ background-color: rgb(186,  
139, 190) }
```

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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