

Converting Colors

XYZ(38.7646, 32.7596, 53.6151)

Have a look what the booklet for
XYZ(38.7646, 32.7596, 53.6151)
contains.

XYZ(38.7896, 32.8320, 53.5830)	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(38.7896, 32.8320,
53.5830)**

Conversions

Conversions Part 1

Format	Color
Hex	B98CBF
RGB	185, 140, 191
RGB Percent	73%, 55%, 75%
CMY	0.2745, 0.4510, 0.2510
CMYK	0.03, 0.27, 0.00, 0.25
HSL	293°, 28%, 65%
HSV	293°, 27%, 75%
XYZ	38.7896, 32.8320, 53.5830
YIQ	159.2690, 10.4490, 25.4010

Conversions

Conversions Part 2

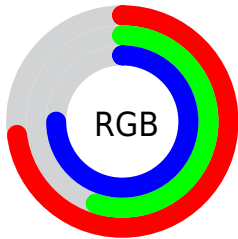
Format	Color
R_{YB}	185, 140, 191
Decimal	12160191
CIE _{Lab}	64.02, 25.94, -19.93
CIE _{LCh}	64, 32.713, 322.470
Yxy	32.8320, 0.3098, 0.2622
Android (android.graphics.Color)	4290350271 (0xFFB98CBF)
YUV	159.2690, 15.6434, 22.5661
Hunter-Lab	57.2992, 20.5647, -15.3352

Details

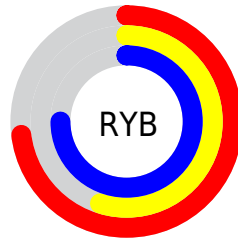
The XYZ color **38.7896, 32.8320, 53.5830** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.2196, 45.2669, 31.6936**, and the grayscale version is **33.0058, 34.7247, 37.8152**.

A 20% lighter version of the original color is **72.6982, 64.1762, 96.5513**, and **17.4478, 13.7762, 25.4064** is the 20% darker color. If you saturate the color by 10%, you get **35.6998, 27.4502, 52.7075**, and if you desaturate by 10%, it is **42.3744, 39.1899, 54.6217**.

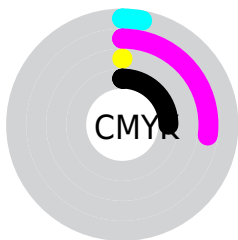
Distribution



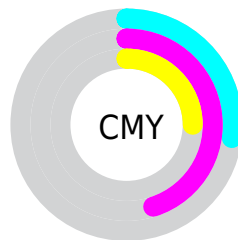
- Red (73%)
- Green (55%)
- Blue (75%)



- Red (73%)
- Yellow (55%)
- Blue (75%)



- Cyan (3%)
- Magenta (27%)
- Yellow (0%)
- Black (25%)





- Cyan (27%)
- Magenta (45%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7896, 32.8320, 53.5830 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 38.7896, 32.8320, 53.5830 by changing the saturation by 10% instead.


 38.7896, 32.8320,
53.5830


 38.7896, 32.8320,
53.5830


332.2177,
314.8920, 417.6474


 26.7761, 21.9978,
37.8775


 72.6129, 64.1132,
96.9119

 17.5408, 13.8553,
25.5865


 95.1534, 85.3289,
125.3724

 10.7185, 8.0201,
16.2916


 121.9336,
110.7739, 158.9216

 5.9438, 4.1078,
9.5741

153.3189,
140.8326, 197.9781

 2.8513, 1.7340,
5.0156

189.6746,
175.8893, 242.9603

 1.0756, 0.4456,
2.1975

231.3661,

 0.0046, 0.0000,

216.3286, 294.2870

0.6729

278.7586,
262.5347, 352.3765

■ 0.0000, 0.0000,
0.0000

■ 38.7896, 32.8320,
53.5830

■ 38.7896, 32.8320,
53.5830

■ 35.6998, 27.4502,
52.7075

■ 42.3744, 39.1899,
54.6217

■ 33.0769, 22.9901,
51.9849

■ 46.4745, 46.5660,
55.8294

■ 30.8945, 19.3987,
51.4067

■ 51.1125, 55.0053,
57.2139

■ 29.1226, 16.6155,
50.9629

■ 56.3091, 64.5488,
58.7821

■ 27.7271, 14.5726,
50.6421

■ 62.0836, 75.2351,
60.5404

■ 26.6682, 13.1906,
50.4312

■ 68.4544, 87.1012,
62.4950

■ 25.8931, 12.3636,
50.3124

■ 69.1791, 87.6618,
62.5650

■ 25.6657, 12.1448,
50.2822

■ 69.7866, 87.9750,
62.5934

■ 70.4030, 88.2927,
62.6223

Harmonies

Analogous

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



34.7237, 32.8320, 64.7692



38.7896, 32.8320, 53.5830



40.8612, 32.8320, 39.1851

Triad

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



38.7896, 32.8320, 53.5830



32.3838, 32.8320, 16.0014



23.6994, 32.8320, 46.3741

Complementary

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



38.7896, 32.8320, 53.5830



35.2196, 45.2669, 31.6936

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.



23.2055, 32.8320, 32.5189



38.7896, 32.8320, 53.5830



27.9340, 32.8320, 17.0237

Square

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



38.7896, 32.8320, 53.5830



36.9328, 32.8320, 19.1376



24.6812, 32.8320, 22.3883



26.1037, 32.8320, 59.9423

Rectangle

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



38.7896, 32.8320, 53.5830



40.7024, 32.8320, 30.5342



24.6812, 32.8320, 22.3883



23.3148, 32.8320, 41.5249

Sweetspot

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



38.7906, 32.8334, 53.5837



82.1295, 81.3996, 99.6621



30.6232, 30.1438, 53.4950



17.7802, 17.4148, 21.8096



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.



38.7906, 32.8334, 53.5837



66.1545, 52.9992, 95.0223



38.3402, 32.8240, 43.4969



9.8165, 9.6378, 12.0151



16.9113, 8.0042, 33.0465



0.6941, 0.3298, 1.2959

Inverse Universe

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



36.0533, 31.9093, 31.4545



60.5073, 51.1110, 48.5383



35.6791, 45.3307, 39.5351



9.5746, 9.5541, 10.1489



14.2344, 7.3249, 1.2619



0.5728, 0.2930, 0.1297

Previews

White Background



This preview shows how the XYZ color 38.7896, 32.8320, 53.5830 looks on a white background.

Color Contrast Check

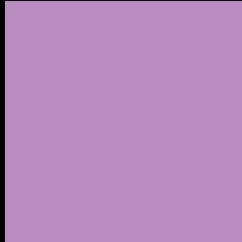
Large Text (above 18pt) WCAG AA × Fail

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 38.7896, 32.8320, 53.5830 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 38.7896, 32.8320, 53.5830

Background



This preview shows how black text looks on a background with the XYZ color 38.7896, 32.8320, 53.5830.



This preview shows how white text looks on a background with the XYZ color 38.7896, 32.8320,

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

38.7896, 32.8320, 53.5830

Protanopia

33.4259, 33.1679, 59.8986

Deuteranopia

33.7400, 33.0006, 52.7356



Tritanopia

35.2728, 32.7297, 36.8061

Trichromacy



Original Color

38.7896, 32.8320, 53.5830

Protanomaly

34.9260, 32.7952, 57.3126

Deuteranomaly

35.4012, 32.8968, 53.1991

Tritanomaly

36.5204, 32.7939, 42.4352

Monochromacy



Original Color

38.7896, 32.8320, 53.5830

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.7274, 33.7216, 43.2067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7896, 32.8320, 53.5830 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(185, 140, 191)` looks like.

```
.text, #text, p{  
    color:rgb(185, 140, 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(185, 140, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 140, 191) }
```

Border

The CSS property to change the border of an element to XYZ 38.7896, 32.8320, 53.5830 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(185, 140, 191) }
```


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

```
.border{ border-color:rgb(185, 140, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 140, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 140, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 140, 191);  
box-shadow:4px 4px 4px 4px rgb(185, 140,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7896, 32.8320, 53.5830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 140, 191) }
```

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

```
.background{ background-color: rgb(185,  
140, 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