

Converting Colors

XYZ(38.7271, 32.1922, 61.1512)

Have a look what the booklet for
XYZ(38.7271, 32.1922, 61.1512)
contains.

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Color

**XYZ(38.8100, 32.2399,
61.3042)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | B48ACC |
| RGB | 180, 138, 204 |
| RGB Percent | 71%, 54%, 80% |
| CMY | 0.2941, 0.4588, 0.2000 |
| CMYK | 0.12, 0.32, 0.00, 0.20 |
| HSL | 278°, 39%, 67% |
| HSV | 278°, 32%, 80% |
| XYZ | 38.8100, 32.2399, 61.3042 |
| YIQ | 158.0820, 3.8460, 29.4300 |

Conversions

Conversions Part 2

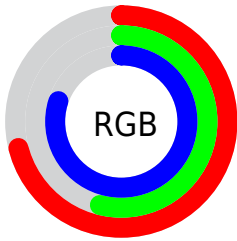
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 180, 138, 204 |
| Decimal | 11832012 |
| CIE Lab | 63.54, 28.09, -28.01 |
| CIE LCh | 64, 39.670, 315.086 |
| Yxy | 32.2399, 0.2932, 0.2436 |
| Android (android.graphics.Color) | 4290022092 (0xFFB48ACC) |
| YUV | 158.0820, 22.6376, 19.2221 |
| Hunter-Lab | 56.7802, 22.6417, -24.2678 |

Details

The XYZ color **38.8100, 32.2399, 61.3042** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.0816, 52.7029, 32.0536**, and the grayscale version is **32.4368, 34.1261, 37.1633**.

A 20% lighter version of the original color is **71.8247, 62.9238, 102.9677**, and **17.5174, 13.4540, 30.5278** is the 20% darker color. If you saturate the color by 10%, you get **34.4727, 26.0603, 60.3405**, and if you desaturate by 10%, it is **43.7915, 39.5693, 62.4569**.

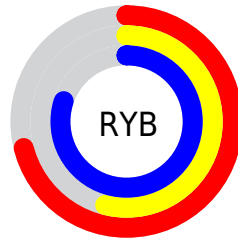
Distribution



Red (71%)

Green (54%)

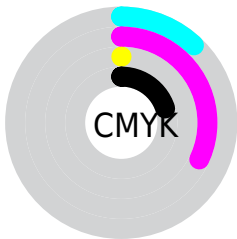
Blue (80%)



Red (71%)

Yellow (54%)

Blue (80%)

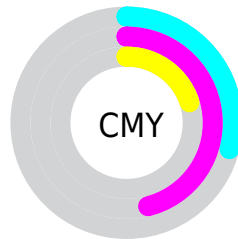


Cyan (12%)

Magenta (32%)

Yellow (0%)

Black (20%)



Cyan (29%)


Magenta (46%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8100, 32.2399, 61.3042 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 38.8100, 32.2399, 61.3042 by changing the saturation by 10% instead.


 38.8100, 32.2399,
61.3042


 38.8100, 32.2399,
61.3042


332.3031,
312.2106, 447.3259


 26.7920, 21.5448,
44.0386


 72.6439, 63.1870,
108.2811

 17.5529, 13.5228,
30.3634


 95.1905, 84.2078,
138.8294

 10.7272, 7.7895,
19.8602


 121.9774,
109.4392, 174.6424

 5.9496, 3.9606,
12.1104

153.3699,
139.2658, 216.1386

 2.8548, 1.6515,
6.6955

189.7334,
174.0718, 263.7365

 1.0775, 0.3920,
3.1968

231.4331,

 0.0061, 0.0000,

214.2417, 317.8546

1.1960

278.8346,
260.1598, 378.9116

■ 0.0000, 0.0000,
0.0000

■ 38.8100, 32.2399,
61.3042

■ 38.8100, 32.2399,
61.3042

■ 34.4727, 26.0603,
60.3405

■ 43.7915, 39.5693,
62.4569

■ 30.7442, 20.9638,
59.5533

■ 49.4440, 48.1019,
63.8059

■ 27.5903, 16.8835,
58.9320

■ 55.7962, 57.8929,
65.3610

■ 24.9714, 13.7426,
58.4637

■ 62.8744, 68.9925,
67.1303

■ 22.8425, 11.4533,
58.1341

■ 70.7034, 81.4483,
69.1219

■ 21.1498, 9.9105,
57.9255

■ 77.5583, 91.8088,
70.7604

■ 20.0774, 9.0912,
57.8239

■ 79.9150, 93.0237,
70.8707

■ 82.3732, 94.2909,
70.9857

■ 84.9344, 95.6113,
71.1056

Harmonies

Analogous

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



33.4958, 32.2399, 73.4976



38.8100, 32.2399, 61.3042



42.1139, 32.2399, 43.5421

Triad

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



38.8100, 32.2399, 61.3042



33.4630, 32.2399, 13.1282



21.4773, 32.2399, 43.6446

Complementary

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



38.8100, 32.2399, 61.3042



41.0816, 52.7029, 32.0536

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.



21.4708, 32.2399, 27.8328



38.8100, 32.2399, 61.3042



27.9571, 32.2399, 13.1406

Square

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



38.8100, 32.2399, 61.3042



38.7835, 32.2399, 17.6479



23.7106, 32.2399, 17.6890



23.7297, 32.2399, 61.3984

Rectangle

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



38.8100, 32.2399, 61.3042



42.5062, 32.2399, 32.4716



23.7106, 32.2399, 17.6890



21.2221, 32.2399, 37.8744

Sweetspot

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



38.8111, 32.2413, 61.3049



84.1183, 83.0793, 106.2101



34.3371, 35.6754, 62.2036



17.6967, 17.3108, 22.6586



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.8111, 32.2413, 61.3049



59.0273, 45.8809, 100.3526



43.8642, 34.9648, 56.1861



11.2766, 11.1919, 14.1363



12.7420, 5.7763, 36.3996



0.7387, 0.3400, 1.8816

Inverse Universe

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



40.5129, 33.6243, 38.5385



62.5358, 48.6793, 55.8029



37.3260, 50.6902, 35.3398



11.3781, 11.2800, 12.5258



16.4964, 8.4091, 5.0665



0.8872, 0.4483, 0.4520

Previews

White Background



This preview shows how the XYZ color 38.8100, 32.2399, 61.3042 looks on a white background.

Color Contrast Check

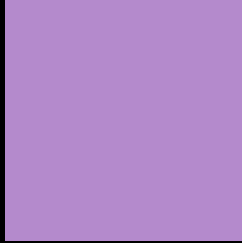
Large Text (above 18pt) WCAG AA × Fail

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 38.8100, 32.2399, 61.3042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

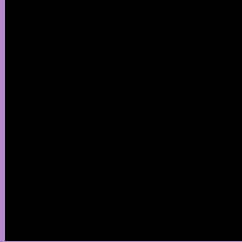
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8100, 32.2399, 61.3042

Background



This preview shows how black text looks on a background with the XYZ color 38.8100, 32.2399, 61.3042.



This preview shows how white text looks on a background with the XYZ color 38.8100, 32.2399,

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

38.8100, 32.2399, 61.3042

Protanopia

33.4857, 32.5137, 68.8009

Deuteranopia

33.2725, 32.6028, 59.7977



Tritanopia

33.8389, 32.2203, 36.7834

Trichromacy



Original Color

38.8100, 32.2399, 61.3042

Protanomaly

34.9541, 32.1499, 65.9913

Deuteranomaly

34.9990, 32.2998, 60.2670

Tritanomaly

35.6156, 32.2718, 44.9094

Monochromacy



Original Color

38.8100, 32.2399, 61.3042

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.5304, 33.3354, 45.1719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8100, 32.2399, 61.3042 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(180, 138, 204)` looks like.

```
.text, #text, p{  
    color:rgb(180, 138, 204)  
}
```

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(180, 138, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 138, 204) }
```

Border

The CSS property to change the border of an element to XYZ 38.8100, 32.2399, 61.3042 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(180, 138, 204) }
```


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

```
.border{ border-color:rgb(180, 138, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 138, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 138, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 138, 204);  
box-shadow:4px 4px 4px 4px rgb(180, 138,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8100, 32.2399, 61.3042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 138, 204) }
```

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

```
.background{ background-color: rgb(180,  
138, 204) }
```

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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