

Converting Colors

XYZ(40.1825, 32.3311, 60.6226)

Have a look what the booklet for
XYZ(40.1825, 32.3311, 60.6226)
contains.

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Color

**XYZ(40.1825, 32.3311,
60.6226)**

Conversions

Conversions Part 1

Format	Color
Hex	BC87CB
RGB	188, 135, 203
RGB Percent	74%, 53%, 80%
CMY	0.2627, 0.4706, 0.2039
CMYK	0.07, 0.33, 0.00, 0.20
HSL	287°, 40%, 66%
HSV	287°, 33%, 80%
XYZ	40.1825, 32.3311, 60.6226
YIQ	158.5990, 9.7600, 32.3840

Conversions

Conversions Part 2

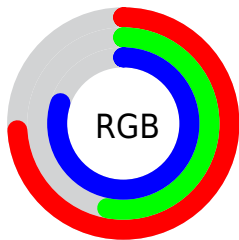
Format	Color
RYB	188, 135, 203
Decimal	12355531
CIELab	63.62, 32.09, -27.27
CIELCh	64, 42.111, 319.649
Yxy	32.3311, 0.3018, 0.2428
Android (android.graphics.Color)	4290545611 (0xFFBC87CB)
YUV	158.5990, 21.8897, 25.7847
Hunter-Lab	56.8604, 26.6377, -23.4106

Details

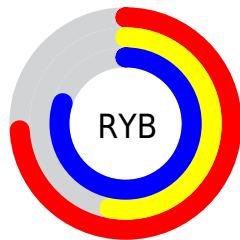
The XYZ color **40.1825, 32.3311, 60.6226** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.3079, 50.9460, 30.7377**, and the grayscale version is **32.6729, 34.3744, 37.4337**.

A 20% lighter version of the original color is **73.9038, 63.0277, 102.8781**, and **18.4267, 13.5789, 30.0836** is the 20% darker color. If you saturate the color by 10%, you get **36.5299, 26.6375, 59.7166**, and if you desaturate by 10%, it is **44.4115, 39.1251, 61.7116**.

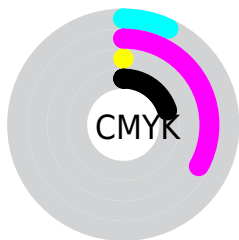
Distribution



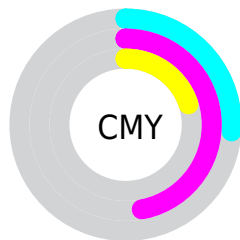
- Red (74%)
- Green (53%)
- Blue (80%)



- Red (74%)
- Yellow (53%)
- Blue (80%)



- Cyan (7%)
- Magenta (33%)
- Yellow (0%)
- Black (20%)





- Cyan (26%)
- Magenta (47%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1825, 32.3311, 60.6226 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 40.1825, 32.3311, 60.6226 by changing the saturation by 10% instead.


 40.1825, 32.3311,
60.6226

 40.1825, 32.3311,
60.6226


338.0134,
312.6248, 444.7571


 27.8657, 21.6145,
43.4921

 74.7239, 63.3298,
107.2845

 18.3644, 13.5739,
29.9371


 97.6792, 84.3807,
137.6530

 11.3132, 7.8249,
19.5392


 124.9115,
109.6452, 173.2712

 6.3467, 3.9831,
11.8798

156.7859,
139.5076, 214.5576

 3.0997, 1.6641,
6.5404

193.6680,
174.3524, 261.9309

 1.2067, 0.4003,
3.1023

235.9231,

 0.1117, 0.0000,

214.5639, 315.8096

1.1471

283.9164,
260.5266, 376.6121

■ 0.0000, 0.0000,
0.0000

■ 40.1825, 32.3311,
60.6226

■ 40.1825, 32.3311,
60.6226

■ 36.5299, 26.6375,
59.7166

■ 44.4115, 39.1251,
61.7116

■ 33.4193, 21.9784,
58.9813

■ 49.2423, 47.0721,
62.9909

■ 30.8176, 18.2873,
58.4059

■ 54.7026, 56.2265,
64.4701

■ 28.6866, 15.4880,
57.9779

■ 60.8174, 66.6378,
66.1574

■ 26.9822, 13.4928,
57.6827

■ 67.6104, 78.3528,
68.0606

■ 25.6511, 12.1959,
57.5025

■ 74.5255, 90.2591,
69.9943

■ 24.9238, 11.6034,
57.4265

■ 75.8576, 90.9458,
70.0566

■ 77.2259, 91.6512,
70.1206

■ 78.6307, 92.3754,
70.1864

Harmonies

Analogous

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



34.6929, 32.3311, 75.3796



40.1825, 32.3311, 60.6226



43.2558, 32.3311, 41.3510

Triad

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



40.1825, 32.3311, 60.6226



32.8075, 32.3311, 11.9824



21.2596, 32.3311, 47.2601

Complementary

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



40.1825, 32.3311, 60.6226



38.3079, 50.9460, 30.7377

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.



20.8905, 32.3311, 29.6969



40.1825, 32.3311, 60.6226



27.0805, 32.3311, 12.6574

Square

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



40.1825, 32.3311, 60.6226



38.6517, 32.3311, 15.8349



22.8895, 32.3311, 18.1168



23.9717, 32.3311, 66.1165

Rectangle

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



40.1825, 32.3311, 60.6226



43.2860, 32.3311, 30.0469



22.8895, 32.3311, 18.1168



20.8719, 32.3311, 40.9177

Sweetspot

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



40.1836, 32.3325, 60.6233



85.4086, 83.7445, 106.2705



31.8176, 31.5544, 60.9141



18.0100, 17.4723, 22.6732



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.



40.1836, 32.3325, 60.6233



62.8825, 47.2421, 100.4121



42.0364, 33.5229, 50.0811



11.4360, 11.2741, 14.1437



15.9418, 7.4259, 36.5494



0.8839, 0.4148, 1.8884

Inverse Universe

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



38.7986, 32.2278, 33.0312



60.4183, 47.1573, 46.7332



37.1095, 50.1679, 37.9236



11.3120, 11.2535, 12.1774



16.0006, 8.2108, 2.4560



0.8548, 0.4353, 0.2813

Previews

White Background



This preview shows how the XYZ color 40.1825, 32.3311, 60.6226 looks on a white background.

Color Contrast Check

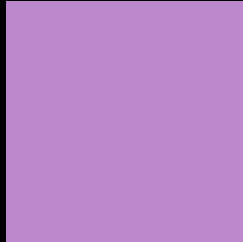
Large Text (above 18pt) WCAG AA × Fail

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 40.1825, 32.3311, 60.6226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

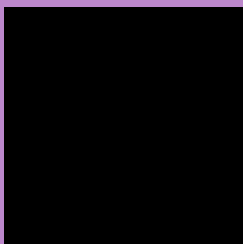
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1825, 32.3311, 60.6226

Background



This preview shows how black text looks on a background with the XYZ color 40.1825, 32.3311, 60.6226.



This preview shows how white text looks on a background with the XYZ color 40.1825, 32.3311,

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

40.1825, 32.3311, 60.6226

Protanopia

33.6146, 32.5652, 69.4798

Deuteranopia

33.3306, 32.6463, 59.1882



Tritanopia

35.0301, 32.1706, 35.8157

Trichromacy



Original Color

40.1825, 32.3311, 60.6226

Protanomaly

35.3632, 32.1309, 65.9661

Deuteranomaly

35.5194, 32.3519, 59.6308

Tritanomaly

36.8349, 32.2572, 43.8200

Monochromacy



Original Color

40.1825, 32.3311, 60.6226

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

35.2218, 33.4539, 45.1583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1825, 32.3311, 60.6226 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(188, 135, 203)` looks like.

```
.text, #text, p{  
    color:rgb(188, 135, 203)  
}
```

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(188, 135, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 135, 203) }
```

Border

The CSS property to change the border of an element to XYZ 40.1825, 32.3311, 60.6226 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(188, 135, 203) }
```


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

```
.border{ border-color:rgb(188, 135, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 135, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 135, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 135, 203);  
box-shadow:4px 4px 4px 4px rgb(188, 135,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1825, 32.3311, 60.6226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 135, 203) }
```

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

```
.background{ background-color: rgb(188,  
135, 203) }
```

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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