

Converting Colors

XYZ(40.6177, 31.0157, 67.9209)

Have a look what the booklet for
XYZ(40.6177, 31.0157, 67.9209)
contains.

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Color

**XYZ(40.7240, 31.0360,
68.1341)**

Conversions

Conversions Part 1

Format	Color
Hex	BC80D7
RGB	188, 128, 215
RGB Percent	74%, 50%, 84%
CMY	0.2627, 0.4980, 0.1569
CMYK	0.13, 0.40, 0.00, 0.16
HSL	281°, 52%, 67%
HSV	281°, 40%, 84%
XYZ	40.7240, 31.0360, 68.1341
YIQ	155.8580, 7.8330, 39.7770

Conversions

Conversions Part 2

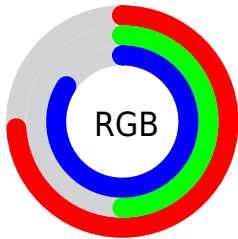
Format	Color
RYB	188, 128, 215
Decimal	12353751
CIELab	62.54, 38.42, -35.66
CIELCh	63, 52.413, 317.134
Yxy	31.0360, 0.2911, 0.2219
Android (android.graphics.Color)	4290543831 (0xFFBC80D7)
YUV	155.8580, 29.1570, 28.1885
Hunter-Lab	55.7100, 32.9911, -33.5156

Details

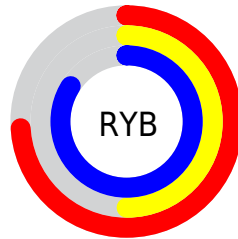
The XYZ color **40.7240, 31.0360, 68.1341** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **41.7151, 57.1286, 29.2517**, and the grayscale version is **31.4094, 33.0451, 35.9861**.

A 20% lighter version of the original color is **72.4341, 60.0884, 102.3883**, and **18.6719, 12.8324, 34.7505** is the 20% darker color. If you saturate the color by 10%, you get **36.6055, 25.1822, 67.2218**, and if you desaturate by 10%, it is **45.5148, 38.1198, 69.2494**.

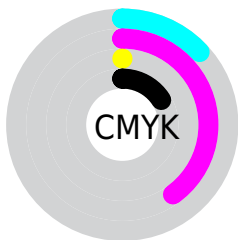
Distribution



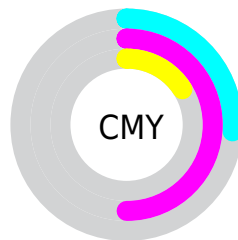
- Red (74%)
- Green (50%)
- Blue (84%)



- Red (74%)
- Yellow (50%)
- Blue (84%)



- Cyan (13%)
- Magenta (40%)
- Yellow (0%)
- Black (16%)



- Cyan (26%)
- Magenta (50%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7240, 31.0360, 68.1341 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 40.7240, 31.0360, 68.1341 by changing the saturation by 10% instead.

40.7240, 31.0360,
68.1341

40.7240, 31.0360,
68.1341

340.2481,
306.7041, 472.5819

28.2902, 20.6263,
49.5395

75.5421, 61.2967,
118.2000

18.6861, 12.8511,
34.6790

98.6571, 81.9165,
150.5083

11.5463, 7.3261,
23.1341

126.0632,
106.7085, 188.2250

6.5056, 3.6669,
14.4864

158.1258,
136.0570, 231.7685

3.1984, 1.4890,
8.3171

195.2103,
170.3464, 281.5574

1.2595, 0.2810,
4.2078

237.6819,

0.1526, 0.0000,

209.9611, 338.0103

1.7400

285.9060,
255.2856, 401.5456

■ 0.0000, 0.0000,
0.3880

■ 0.0000, 0.0000,
0.0000

■ 40.7240, 31.0360,
68.1341

■ 40.7240, 31.0360,
68.1341

■ 36.6055, 25.1822,
67.2218

■ 45.5148, 38.1198,
69.2494

■ 33.1171, 20.4783,
66.4977

■ 51.0102, 46.4992,
70.5772

■ 30.2167, 16.8406,
65.9484

■ 57.2441, 56.2400,
72.1287

■ 27.8550, 14.1721,
65.5578

■ 64.2472, 67.4019,
73.9141

25.9737, 12.3577,
65.3067

72.0483, 80.0413,
75.9426

24.5289, 11.2282,
65.1649

80.0321, 92.9262,
78.0088

82.1905, 94.0389,
78.1098

84.4315, 95.1941,
78.2147

86.7559, 96.3924,
78.3235

Harmonies

Analogous

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



33.7222, 31.0360, 86.8725



40.7240, 31.0360, 68.1341



44.9740, 31.0360, 43.3057

Triad

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



40.7240, 31.0360, 68.1341



32.6562, 31.0360, 8.1576



18.2470, 31.0360, 46.7215

Complementary

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



40.7240, 31.0360, 68.1341



41.7151, 57.1286, 29.2517

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.



18.0559, 31.0360, 25.7864



40.7240, 31.0360, 68.1341



25.6436, 31.0360, 8.4543

Square

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



40.7240, 31.0360, 68.1341



39.8361, 31.0360, 12.4198



20.5528, 31.0360, 13.5103



21.1250, 31.0360, 71.4849

Rectangle

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



40.7240, 31.0360, 68.1341



45.2900, 31.0360, 29.1504



20.5528, 31.0360, 13.5103



17.8849, 31.0360, 38.9039

Sweetspot

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



40.7251, 31.0373, 68.1348



82.6454, 80.2498, 105.7416



32.9820, 33.1229, 68.9455



17.4221, 16.7565, 22.5660



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.



40.7251, 31.0373, 68.1348



54.4242, 37.8315, 99.0415



46.0589, 34.0124, 58.2015



12.5606, 12.4304, 15.6748



14.7844, 6.7741, 38.9815



0.9749, 0.4515, 2.3551

Inverse Universe

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



41.6608, 32.2531, 35.0410



56.3745, 40.0966, 42.2190



38.2337, 55.2029, 35.0069



12.5804, 12.4837, 13.7306



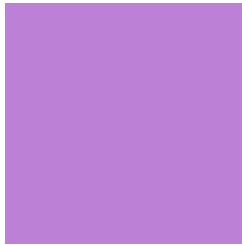
17.4050, 8.8983, 4.1709



1.0866, 0.5514, 0.4454

Previews

White Background



This preview shows how the XYZ color 40.7240, 31.0360, 68.1341 looks on a white background.

Color Contrast Check

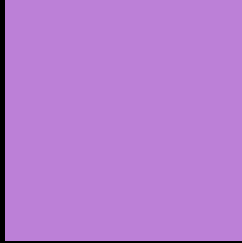
Large Text (above 18pt) WCAG AA × Fail

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 40.7240, 31.0360, 68.1341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

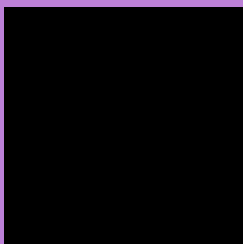
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7240, 31.0360, 68.1341

Background



This preview shows how black text looks on a background with the XYZ color 40.7240, 31.0360, 68.1341.



This preview shows how white text looks on a background with the XYZ color 40.7240, 31.0360,

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

40.7240, 31.0360, 68.1341

Protanopia

33.3390, 31.4587, 80.6589

Deuteranopia

32.1799, 31.4214, 65.9969



Tritanopia

33.7828, 30.9005, 33.8896

Trichromacy



Original Color

40.7240, 31.0360, 68.1341

Protanomaly

35.1064, 30.6517, 76.0176

Deuteranomaly

34.5056, 30.7749, 66.4089

Tritanomaly

35.8334, 30.6485, 44.5846

Monochromacy



Original Color

40.7240, 31.0360, 68.1341

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.3631, 32.0569, 45.9714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7240, 31.0360, 68.1341 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, 128, 215)` looks like.

```
.text, #text, p{  
    color:rgb(188, 128, 215)  
}
```

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, 128, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 128, 215) }
```

Border

The CSS property to change the border of an element to XYZ 40.7240, 31.0360, 68.1341 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, 128, 215) }
```


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

```
.border{ border-color:rgb(188, 128, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 128, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 128, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 128, 215);  
box-shadow:4px 4px 4px 4px rgb(188, 128,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7240, 31.0360, 68.1341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 128, 215) }
```

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

```
.background{ background-color: rgb(188,  
128, 215) }
```

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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