

Converting Colors

XYZ(34.0283, 22.7275, 50.5680)

Have a look what the booklet for
XYZ(34.0283, 22.7275, 50.5680)
contains.

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Color

**XYZ(34.1072, 22.7312,
50.7340)**

Conversions

Conversions Part 1

Format	Color
Hex	BC60BD
RGB	188, 96, 189
RGB Percent	74%, 38%, 74%
CMY	0.2627, 0.6235, 0.2588
CMYK	0.01, 0.49, 0.00, 0.26
HSL	299°, 41%, 56%
HSV	299°, 49%, 74%
XYZ	34.1072, 22.7312, 50.7340
YIQ	134.1100, 24.9790, 48.4270

Conversions

Conversions Part 2

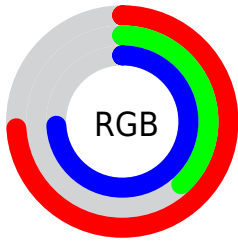
Format	Color
R_{YB}	188, 96, 189
Decimal	12345533
CIE _{Lab}	54.79, 50.16, -32.99
CIE _{LCh}	55, 60.038, 326.666
Yxy	22.7312, 0.3171, 0.2113
Android (android.graphics.Color)	4290535613 (0xFFBC60BD)
YUV	134.1100, 27.0608, 47.2615
Hunter-Lab	47.6772, 44.2596, -29.7172

Details

The XYZ color **34.1072, 22.7312, 50.7340** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **25.2394, 39.7816, 17.4157**, and the grayscale version is **22.5984, 23.7753, 25.8913**.

A 20% lighter version of the original color is **65.5469, 48.0593, 93.0105**, and **14.7528, 8.3826, 23.7621** is the 20% darker color. If you saturate the color by 10%, you get **32.5359, 19.6623, 50.2248**, and if you desaturate by 10%, it is **36.0946, 26.6312, 51.3823**.

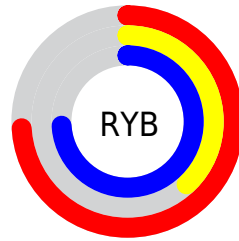
Distribution



Red (74%)

Green (38%)

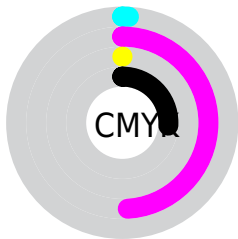
Blue (74%)



Red (74%)

Yellow (38%)

Blue (74%)

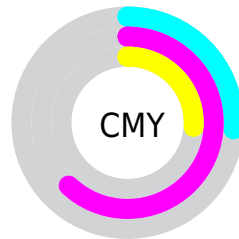


Cyan (1%)

Magenta (49%)

Yellow (0%)

Black (26%)



Cyan (26%)


Magenta (62%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1072, 22.7312, 50.7340 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 34.1072, 22.7312, 50.7340 by changing the saturation by 10% instead.

 34.1072, 22.7312,
50.7340

 34.1072, 22.7312,
50.7340


312.1873,
266.3414, 406.3464

 23.1392, 14.3952,
35.6217


 65.4435, 47.9516,
92.6689


 14.8176, 8.3960,
23.8548


 86.5426, 65.6047,
120.3286

 8.7770, 4.3494,
15.0147

 111.7494, 87.1323,
153.0079

 4.6519, 1.8709,
8.6830

 141.4294,
112.9188, 191.1253

 2.0772, 0.5308,
4.4410

175.9478,
143.3485, 235.0993

 0.6768, 0.0000,
1.8703

215.6700,

 0.0000, 0.0000,

178.8060, 285.3484

0.4737

260.9614,
219.6754, 342.2913

■ 0.0000, 0.0000,
0.0000

■ 34.1072, 22.7312,
50.7340

■ 34.1072, 22.7312,
50.7340

■ 32.5359, 19.6623,
50.2248

■ 36.0946, 26.6312,
51.3823

■ 31.3482, 17.3609,
49.8432

■ 38.5230, 31.4135,
52.1774

■ 30.5105, 15.7596,
49.5782

■ 41.4181, 37.1291,
53.1281

■ 29.9825, 14.7775,
49.4165

■ 44.8028, 43.8239,
54.2419

■ 29.6918, 14.2698,
49.3338

■ 48.6987, 51.5410,
55.5261

■ 29.6715, 14.2351,
49.3282

■ 53.1261, 60.3209,
56.9875

■ 58.1040, 70.2017,
58.6323

■ 63.6507, 81.2200,
60.4667

■ 66.1379, 86.1193,
61.2813

Harmonies

Analogous

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



27.8487, 22.7312, 73.8368



34.1072, 22.7312, 50.7340



37.0006, 22.7312, 26.9360

Triad

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



34.1072, 22.7312, 50.7340



22.3556, 22.7312, 3.2630



12.0954, 22.7312, 45.0255

Complementary

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



34.1072, 22.7312, 50.7340



25.2394, 39.7816, 17.4157

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.



11.2112, 22.7312, 22.6864



34.1072, 22.7312, 50.7340



16.3726, 22.7312, 4.3568

Square

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



34.1072, 22.7312, 50.7340



29.3982, 22.7312, 5.0586



12.6062, 22.7312, 9.6166



15.3279, 22.7312, 69.5216

Rectangle

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



34.1072, 22.7312, 50.7340



36.2696, 22.7312, 15.6843



12.6062, 22.7312, 9.6166



11.5465, 22.7312, 36.7716

Sweetspot

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



34.1080, 22.7322, 50.7345



76.4754, 71.0368, 95.9070



18.3358, 14.8134, 50.0373



16.1794, 14.7497, 20.5368



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



34.1080, 22.7322, 50.7345



58.0913, 34.8643, 89.8939



30.2077, 21.2006, 28.9066



9.9196, 9.6909, 12.0199



19.9683, 9.5801, 33.1896



0.7855, 0.3770, 1.3002

Inverse Universe

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



27.3275, 20.0486, 13.7396



44.5733, 29.5193, 15.8981



27.8262, 40.8041, 31.5902



9.5342, 9.5380, 9.9362



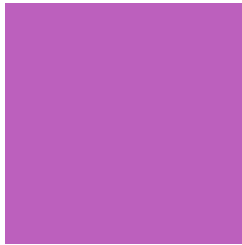
14.1295, 7.2830, 0.7098



0.5549, 0.2859, 0.0354

Previews

White Background



This preview shows how the XYZ color 34.1072, 22.7312, 50.7340 looks on a white background.

Color Contrast Check

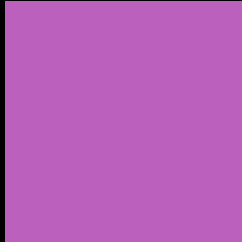
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.1072, 22.7312, 50.7340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

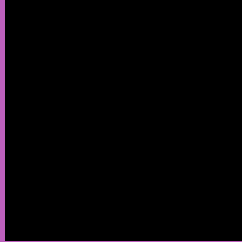
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.1072, 22.7312, 50.7340

Background



This preview shows how black text looks on a background with the XYZ color 34.1072, 22.7312, 50.7340.



This preview shows how white text looks on a background with the XYZ color 34.1072, 22.7312,

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

34.1072, 22.7312, 50.7340

Protanopia

25.1985, 23.1971, 68.7950

Deuteranopia

23.4693, 22.9616, 47.9948



Tritanopia

28.0678, 22.6721, 20.9860

Trichromacy



Original Color

34.1072, 22.7312, 50.7340



Protanomaly

26.6770, 21.8947, 61.8516



Deuteranomaly

26.2199, 22.1224, 48.7870



Tritanomaly

29.8708, 22.4507, 29.9532

Monochromacy



Original Color

34.1072, 22.7312, 50.7340



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

25.8756, 22.6361, 33.5773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1072, 22.7312, 50.7340 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, 96, 189)` looks like.

```
.text, #text, p{  
    color:rgb(188, 96, 189)  
}
```

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, 96, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 96, 189) }
```

Border

The CSS property to change the border of an element to XYZ 34.1072, 22.7312, 50.7340 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, 96, 189) }
```


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

```
.border{ border-color:rgb(188, 96, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 96, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 96, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 96, 189);  
box-shadow:4px 4px 4px 4px rgb(188, 96,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1072, 22.7312, 50.7340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 96, 189) }
```

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

```
.background{ background-color: rgb(188, 96,  
189) }
```

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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