

Converting Colors

XYZ(34.2314, 22.7545, 49.9814)

Have a look what the booklet for
XYZ(34.2314, 22.7545, 49.9814)
contains.

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Color

**XYZ(34.2462, 22.8154,
50.1758)**

Conversions

Conversions Part 1

Format	Color
Hex	BD60BC
RGB	189, 96, 188
RGB Percent	74%, 38%, 74%
CMY	0.2588, 0.6235, 0.2627
CMYK	0.00, 0.49, 0.01, 0.26
HSL	301°, 41%, 56%
HSV	301°, 49%, 74%
XYZ	34.2462, 22.8154, 50.1758
YIQ	134.2950, 25.8960, 48.3280

Conversions

Conversions Part 2

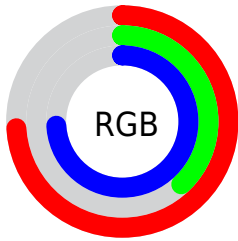
Format	Color
RYB	189, 96, 188
Decimal	12411068
CIELab	54.88, 50.27, -32.27
CIELCh	55, 59.734, 327.299
Yxy	22.8154, 0.3193, 0.2128
Android (android.graphics.Color)	4290601148 (0xFFBD60BC)
YUV	134.2950, 26.4766, 47.9763
Hunter-Lab	47.7655, 44.3888, -28.8461

Details

The XYZ color **34.2462, 22.8154, 50.1758** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **25.1801, 39.7459, 17.6551**, and the grayscale version is **22.6682, 23.8487, 25.9713**.

A 20% lighter version of the original color is **65.7455, 48.1794, 92.2206**, and **14.8398, 8.4355, 23.4003** is the 20% darker color. If you saturate the color by 10%, you get **32.7030, 19.7635, 49.5535**, and if you desaturate by 10%, it is **36.2055, 26.6984, 50.9373**.

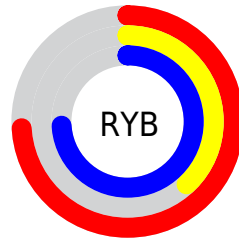
Distribution



Red (74%)

Green (38%)

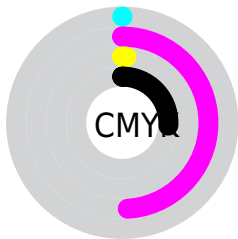
Blue (74%)



Red (74%)

Yellow (38%)

Blue (74%)

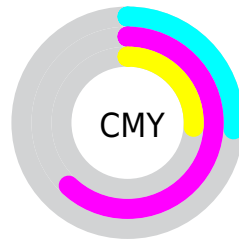


Cyan (0%)

Magenta (49%)

Yellow (1%)

Black (26%)



Cyan (26%)

Magenta (62%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2462, 22.8154, 50.1758 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 34.2462, 22.8154, 50.1758 by changing the saturation by 10% instead.

■ 34.2462, 22.8154,
50.1758

■ 34.2462, 22.8154,
50.1758

312.7951,
266.7754, 404.1078

■ 23.2466, 14.4573,
35.1809

■ 65.6581, 48.0900,
91.8343

■ 14.8974, 8.4394,
23.5176

■ 86.8011, 65.7753,
119.3350

■ 8.8332, 4.3774,
14.7673

■ 112.0559, 87.3384,
151.8414

■ 4.6888, 1.8868,
8.5114

■ 141.7879,
113.1638, 189.7720

■ 2.0987, 0.5404,
4.3315

176.3625,
143.6358, 233.5454

■ 0.6885, 0.0000,
1.8089

216.1450,

■ 0.0000, 0.0000,

179.1388, 283.5802

0.4338

261.5007,
220.0572, 340.2948

■ 0.0000, 0.0000,
0.0000

■ 34.2462, 22.8154,
50.1758

■ 34.2462, 22.8154,
50.1758

■ 32.7030, 19.7635,
49.5535

■ 36.2055, 26.6984,
50.9373

■ 31.5433, 17.4791,
49.0590

■ 38.6058, 31.4637,
51.8458

■ 30.7336, 15.8947,
48.6814


■ 41.4726, 37.1622,
52.9100


■ 30.2336, 14.9295,
48.4071


■ 44.8291, 43.8400,
54.1375


■ 29.9708, 14.4388,
48.2120


■ 48.6968, 51.5400,
55.5355

 29.9527, 14.4054,
48.1975

 53.0958, 60.3028,
57.1109

 58.0454, 70.1665,
58.8699

 63.5637, 81.1677,
60.8186

 66.0223, 86.0492,
61.7476

Harmonies

Analogous

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



28.0576, 22.8154, 73.3070



34.2462, 22.8154, 50.1758



37.0332, 22.8154, 26.5982

Triad

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



34.2462, 22.8154, 50.1758



22.2902, 22.8154, 3.3296



12.2327, 22.8154, 45.5741

Complementary

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



34.2462, 22.8154, 50.1758



25.1801, 39.7459, 17.6551

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.



11.3000, 22.8154, 23.1650



34.2462, 22.8154, 50.1758



16.3592, 22.8154, 4.4963

Square

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



34.2462, 22.8154, 50.1758



29.3083, 22.8154, 5.0681



12.6464, 22.8154, 9.9017



15.5140, 22.8154, 69.8323

Rectangle

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



34.2462, 22.8154, 50.1758



36.2372, 22.8154, 15.5081



12.6464, 22.8154, 9.9017



11.6673, 22.8154, 37.3249

Sweetspot

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



34.2470, 22.8164, 50.1763



76.5525, 71.0836, 95.5964



18.1931, 14.5278, 49.9900



16.1983, 14.7611, 20.4608



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.



34.2470, 22.8164, 50.1763



58.3939, 35.0476, 88.6763



30.0902, 21.1537, 28.2867



9.9254, 9.6945, 11.9963



20.1548, 9.6931, 32.4387



0.7909, 0.3803, 1.2782

Inverse Universe

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



34.2470, 22.8164, 50.1763



58.3939, 35.0476, 88.6763



27.9425, 40.8508, 32.2019



9.9254, 9.6945, 11.9963



20.1548, 9.6931, 32.4387



0.7909, 0.3803, 1.2782

Previews

White Background



This preview shows how the XYZ color 34.2462, 22.8154, 50.1758 looks on a white background.

Color Contrast Check

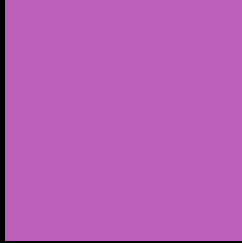
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.2462, 22.8154, 50.1758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

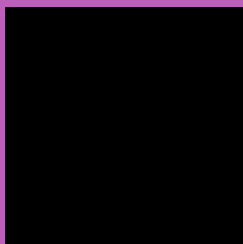
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.2462, 22.8154, 50.1758

Background



This preview shows how black text looks on a background with the XYZ color 34.2462, 22.8154, 50.1758.



This preview shows how white text looks on a background with the XYZ color 34.2462, 22.8154,

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

34.2462, 22.8154, 50.1758

Protanopia

25.1747, 23.1998, 68.1169

Deuteranopia

23.6286, 23.0557, 47.4608



Tritanopia

28.3014, 22.7926, 20.9969

Trichromacy



Original Color

34.2462, 22.8154, 50.1758

Protanomaly

26.7078, 21.9246, 61.2167

Deuteranomaly

26.4579, 22.2572, 48.2490

Tritanomaly

30.0320, 22.5427, 29.5564

Monochromacy



Original Color

34.2462, 22.8154, 50.1758

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 34.2462, 22.8154, 50.1758 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(189, 96, 188)` looks like.

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

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(189, 96, 188) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 34.2462, 22.8154, 50.1758 is called "border". The border property can be set on classes, ids or directly on the HTML element.

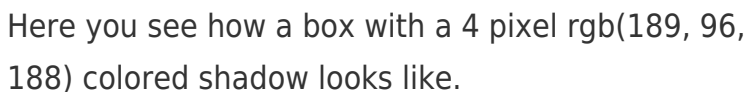
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 96, 188) }
```


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

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

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



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

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

Background

The CSS property to change the background color of an element to XYZ 34.2462, 22.8154, 50.1758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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