

Converting Colors

XYZ(33.8117, 22.5563, 49.3497)

Have a look what the booklet for
XYZ(33.8117, 22.5563, 49.3497)
contains.

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Color

**XYZ(33.8915, 22.6450,
49.5983)**

Conversions

Conversions Part 1

Format	Color
Hex	BC60BB
RGB	188, 96, 187
RGB Percent	74%, 38%, 73%
CMY	0.2627, 0.6235, 0.2667
CMYK	0.00, 0.49, 0.01, 0.26
HSL	301°, 41%, 56%
HSV	301°, 49%, 74%
XYZ	33.8915, 22.6450, 49.5983
YIQ	133.8820, 25.6210, 47.8050

Conversions

Conversions Part 2

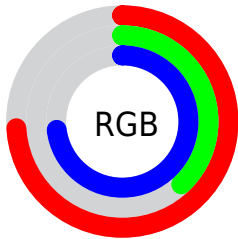
Format	Color
RYB	188, 96, 187
Decimal	12345531
CIELab	54.70, 49.80, -31.98
CIELCh	55, 59.182, 327.290
Yxy	22.6450, 0.3193, 0.2134
Android (android.graphics.Color)	4290535611 (0xFFBC60BB)
YUV	133.8820, 26.1872, 47.4615
Hunter-Lab	47.5868, 43.8516, -28.4855

Details

The XYZ color **33.8915, 22.6450, 49.5983** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **24.9657, 39.3171, 17.5837**, and the grayscale version is **22.5179, 23.6906, 25.7990**.

A 20% lighter version of the original color is **65.0900, 47.8766, 90.6045**, and **14.6132, 8.3267, 23.0273** is the 20% darker color. If you saturate the color by 10%, you get **32.3553, 19.6071, 48.9785**, and if you desaturate by 10%, it is **35.8394, 26.5052, 50.3559**.

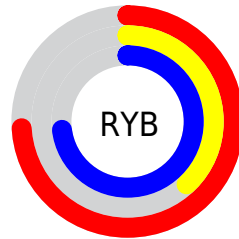
Distribution



Red (74%)

Green (38%)

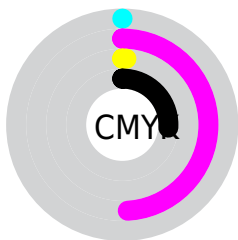
Blue (73%)



Red (74%)

Yellow (38%)

Blue (73%)

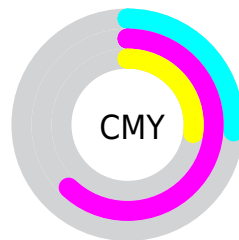


Cyan (0%)

Magenta (49%)

Yellow (1%)

Black (26%)



Cyan (26%)


Magenta (62%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8915, 22.6450, 49.5983 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 33.8915, 22.6450, 49.5983 by changing the saturation by 10% instead.

 33.8915, 22.6450,
49.5983


 33.8915, 22.6450,
49.5983

311.2424,
265.8964, 401.7829


 22.9728, 14.3316,
34.7254


 65.1103, 47.8098,
90.9696


 14.6940, 8.3517,
23.1696


 86.1411, 65.4299,
118.3050

 8.6898, 4.3208,
14.5123


 111.2733, 86.9211,
150.6317

 4.5949, 1.8546,
8.3350

 140.8722,
112.6677, 188.3682

 2.0439, 0.5208,
4.2192

175.3032,
143.0541, 231.9330

 0.6584, 0.0000,
1.7464

214.9317,

 0.0000, 0.0000,

178.4648, 281.7447

0.3922

260.1230,
219.2841, 338.2219

■ 0.0000, 0.0000,
0.0000

■ 33.8915, 22.6450,
49.5983

■ 33.8915, 22.6450,
49.5983

■ 32.3553, 19.6071,
48.9785

■ 35.8394, 26.5052,
50.3559

■ 31.1988, 17.3290,
48.4853

■ 38.2234, 31.2382,
51.2588

■ 30.3889, 15.7442,
48.1077


■ 41.0689, 36.8939,
52.3156

■ 29.8862, 14.7736,
47.8327


■ 44.3985, 43.5180,
53.5340


■ 29.6216, 14.2792,
47.6372

■ 48.2335, 51.1526,
54.9210

 29.5976, 14.2348,
47.6177

 52.5937, 59.8377,
56.4833

 57.4980, 69.6110,
58.2271

 62.9644, 80.5085,
60.1584

 65.6673, 85.8787,
61.1686

Harmonies

Analogous

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



27.7994, 22.6450, 72.3189



33.8915, 22.6450, 49.5983



36.6348, 22.6450, 26.3938

Triad

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



33.8915, 22.6450, 49.5983



22.1218, 22.6450, 3.3692



12.1926, 22.6450, 45.0578

Complementary

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



33.8915, 22.6450, 49.5983



24.9657, 39.3171, 17.5837

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.



11.2710, 22.6450, 22.9972



33.8915, 22.6450, 49.5983



16.2711, 22.6450, 4.5317

Square

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



33.8915, 22.6450, 49.5983



29.0352, 22.6450, 5.1031



12.6030, 22.6450, 9.8967



15.4337, 22.6450, 68.8951

Rectangle

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



33.8915, 22.6450, 49.5983



35.8527, 22.6450, 15.4497



12.6030, 22.6450, 9.8967



11.6338, 22.6450, 36.9432

Sweetspot

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



33.8923, 22.6460, 49.5988



76.5519, 71.0833, 95.5930



18.0849, 14.4846, 49.4201



16.1982, 14.7611, 20.4599



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.



33.8923, 22.6460, 49.5988



58.3913, 35.0466, 88.6628



29.8053, 21.0112, 28.0770



9.9254, 9.6945, 11.9961



20.1533, 9.6925, 32.4304



0.7909, 0.3802, 1.2780

Inverse Universe

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



33.8923, 22.6460, 49.5988



58.3913, 35.0466, 88.6628



27.6905, 40.4070, 31.9322



9.9254, 9.6945, 11.9961



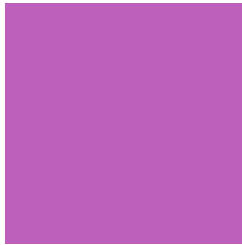
20.1533, 9.6925, 32.4304



0.7909, 0.3802, 1.2780

Previews

White Background



This preview shows how the XYZ color 33.8915, 22.6450, 49.5983 looks on a white background.

Color Contrast Check

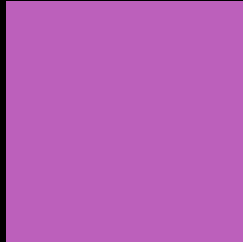
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8915, 22.6450, 49.5983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

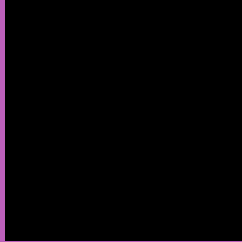
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8915, 22.6450, 49.5983

Background



This preview shows how black text looks on a background with the XYZ color 33.8915, 22.6450, 49.5983.



This preview shows how white text looks on a background with the XYZ color 33.8915, 22.6450,

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

33.8915, 22.6450, 49.5983

Protanopia

24.9176, 23.0969, 66.7632

Deuteranopia

23.3934, 22.9463, 46.9122



Tritanopia

28.0067, 22.6477, 20.6646

Trichromacy



Original Color

33.8915, 22.6450, 49.5983



Protanomaly

26.4663, 21.8280, 59.9450



Deuteranomaly

26.1810, 22.1265, 47.6907



Tritanomaly

29.7165, 22.3890, 29.1408

Monochromacy



Original Color

33.8915, 22.6450, 49.5983



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

25.7927, 22.6029, 33.1404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8915, 22.6450, 49.5983 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(188, 96, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 96, 187) }
```

Border

The CSS property to change the border of an element to XYZ 33.8915, 22.6450, 49.5983 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, 187) }
```


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

```
.border{ border-color:rgb(188, 96, 187) }
```

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, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 96, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 96, 187);  
box-shadow:4px 4px 4px 4px rgb(188, 96,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8915, 22.6450, 49.5983 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, 187) }
```

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

```
.background{ background-color: rgb(188, 96,  
187) }
```

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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