

Converting Colors

XYZ(33.6460, 22.5184, 49.5869)

Have a look what the booklet for
XYZ(33.6460, 22.5184, 49.5869)
contains.

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Color

**XYZ(33.6460, 22.5184,
49.5869)**

Conversions

Conversions Part 1	
Format	Color
Hex	BB60BB
RGB	187, 96, 187
RGB Percent	73%, 38%, 73%
CMY	0.2667, 0.6235, 0.2667
CMYK	0.00, 0.49, 0.00, 0.27
HSL	300°, 40%, 55%
HSV	300°, 49%, 73%
XYZ	33.6460, 22.5184, 49.5869
YIQ	133.5830, 25.0250, 47.5930

Conversions

Conversions Part 2

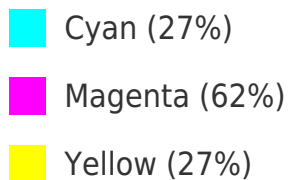
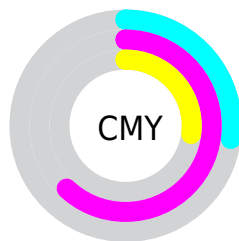
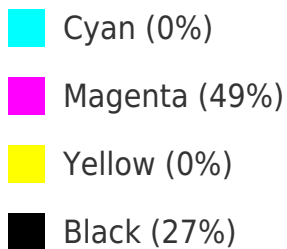
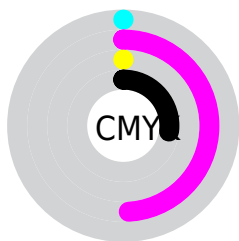
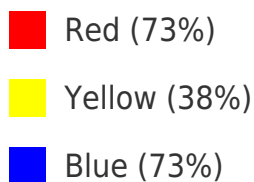
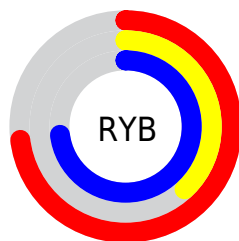
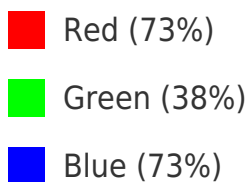
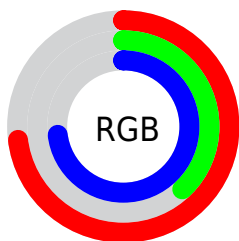
Format	Color
RYB	187, 96, 187
Decimal	12279995
CIELab	54.57, 49.51, -32.20
CIELCh	55, 59.056, 326.962
Yxy	22.5184, 0.3182, 0.2129
Android (android.graphics.Color)	4290470075 (0xFFBB60BB)
YUV	133.5830, 26.3346, 46.8467
Hunter-Lab	47.4536, 43.5182, -28.7380

Details

The XYZ color **33.6460, 22.5184, 49.5869** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **24.7065, 38.8728, 17.2686**, and the grayscale version is **22.4082, 23.5751, 25.6733**.

A 20% lighter version of the original color is **64.7402, 47.6962, 90.5881**, and **14.4576, 8.2465, 23.0200** is the 20% darker color. If you saturate the color by 10%, you get **32.1387, 19.5033, 49.0846**, and if you desaturate by 10%, it is **35.5606, 26.3471, 50.2254**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6460, 22.5184, 49.5869 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 33.6460, 22.5184, 49.5869 by changing the saturation by 10% instead.

 33.6460, 22.5184,
49.5869


 33.6460, 22.5184,
49.5869


310.1645,
265.2417, 401.7370

 22.7834, 14.2383,
34.7164


 64.7307, 47.6013,
90.9525


 14.5535, 8.2866,
23.1627


 85.6836, 65.1729,
118.2847

 8.5909, 4.2789,
14.5073


 110.7305, 86.6105,
150.6078

 4.5303, 1.8308,
8.3315

 140.2369,
112.2984, 188.3405

 2.0063, 0.5062,
4.2170

174.5682,
142.6211, 231.9012

 0.6375, 0.0000,
1.7451


214.0896,


 0.0000, 0.0000,


177.9630, 281.7084


0.3914


259.1666,
218.7083, 338.1809


 0.0000, 0.0000,
0.0000

 33.6460, 22.5184,
49.5869


 33.6460, 22.5184,
49.5869


 32.1387, 19.5033,
49.0846


 35.5606, 26.3471,
50.2254


 31.0072, 17.2402,
48.7074


 37.9066, 31.0390,
51.0074


 30.2190, 15.6639,
48.4447


 40.7088, 36.6434,
51.9415


 29.7354, 14.6967,
48.2834

 43.9896, 43.2051,
53.0352


 29.4906, 14.2072,
48.2018


 47.7700, 50.7658,
54.2953

 29.4634, 14.1528,
48.1927

 52.0695, 59.3648,
55.7285

 56.9068, 69.0393,
57.3410

 62.2994, 79.8246,
59.1386

 65.2236, 85.6728,
60.1133

Harmonies

Analogous

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



27.5670, 22.5184, 72.0887



33.6460, 22.5184, 49.5869



36.4203, 22.5184, 26.4599

Triad

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



33.6460, 22.5184, 49.5869



22.0705, 22.5184, 3.3556



12.1041, 22.5184, 44.5284

Complementary

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



33.6460, 22.5184, 49.5869



24.7065, 38.8728, 17.2686

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.



11.2124, 22.5184, 22.6749



33.6460, 22.5184, 49.5869



16.2341, 22.5184, 4.4790

Square

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



33.6460, 22.5184, 49.5869



28.9439, 22.5184, 5.1162



12.5616, 22.5184, 9.7511



15.3009, 22.5184, 68.2749

Rectangle

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



33.6460, 22.5184, 49.5869



35.6774, 22.5184, 15.5087



12.5616, 22.5184, 9.7511



11.5568, 22.5184, 36.4781

Sweetspot

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



33.6468, 22.5194, 49.5874



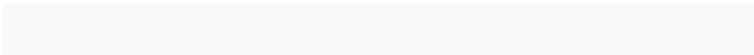
74.8186, 69.4478, 93.6627



17.9774, 14.4415, 48.8543



16.2130, 14.7670, 20.5383



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.



33.6468, 22.5194, 49.5874



57.4947, 34.8000, 87.8877



29.5223, 20.8696, 27.8682



9.9300, 9.6963, 12.0204



20.3003, 9.7513, 33.2048



0.7952, 0.3820, 1.3007

Inverse Universe

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



33.6468, 22.5194, 49.5874



57.4947, 34.8000, 87.8877



27.4401, 39.9662, 31.6639



9.9300, 9.6963, 12.0204



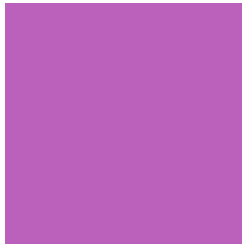
20.3003, 9.7513, 33.2048



0.7952, 0.3820, 1.3007

Previews

White Background



This preview shows how the XYZ color 33.6460, 22.5184, 49.5869 looks on a white background.

Color Contrast Check

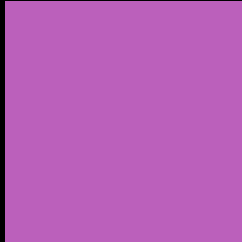
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6460, 22.5184, 49.5869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

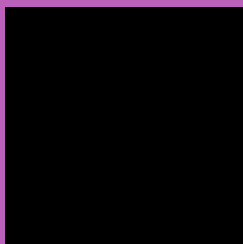
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.6460, 22.5184, 49.5869

Background



This preview shows how black text looks on a background with the XYZ color 33.6460, 22.5184, 49.5869.



This preview shows how white text looks on a background with the XYZ color 33.6460, 22.5184,

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

33.6460, 22.5184, 49.5869

Protanopia

24.7865, 22.8348, 66.7195

Deuteranopia

23.2610, 22.6815, 46.8681



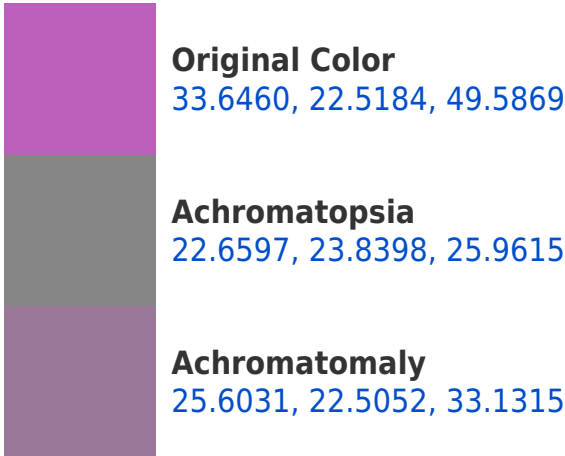
Tritanopia

27.7747, 22.5281, 20.6538

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6460, 22.5184, 49.5869 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(187, 96, 187)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 96, 187) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 33.6460, 22.5184, 49.5869 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(187, 96, 187) }
```


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

```
.border{ border-color:rgb(187, 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(187, 96, 187) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 33.6460, 22.5184, 49.5869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 96, 187) }
```

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

```
.background{ background-color: rgb(187, 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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