

Converting Colors

XYZ(33.8239, 16.2473, 55.3253)

Have a look what the booklet for
XYZ(33.8239, 16.2473, 55.3253)
contains.

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Color

**XYZ(33.8620, 16.2656,
55.3877)**

Conversions

Conversions Part 1

Format	Color
Hex	C700C7
RGB	199, 0, 199
RGB Percent	78%, 0%, 78%
CMY	0.2196, 0.9999, 0.2196
CMYK	0.00, 1.00, 0.00, 0.22
HSL	300°, 100%, 39%
HSV	300°, 100%, 78%
XYZ	33.8620, 16.2656, 55.3877
YIQ	82.1870, 54.7250, 104.0770

Conversions

Conversions Part 2

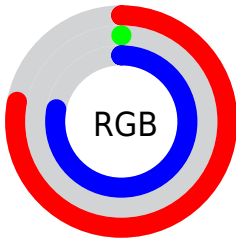
Format	Color
R_{YB}	199, 0, 199
Decimal	13041863
CIE _{Lab}	47.32, 81.52, -50.48
CIE _{LCh}	47, 95.884, 328.233
Yxy	16.2656, 0.3209, 0.1542
Android (android.graphics.Color)	4291231943 (0xFFC700C7)
YUV	82.1870, 57.5888, 102.4450
Hunter-Lab	40.3306, 79.2918, -53.1939

Details

The XYZ color **33.8620, 16.2656, 55.3877** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **20.4242, 40.8477, 6.8086**, and the grayscale version is **7.9409, 8.3544, 9.0980**.

A 20% lighter version of the original color is **63.1171, 36.1343, 98.2557**, and **15.8493, 7.5891, 27.0150** is the 20% darker color. If you saturate the color by 10%, you get **33.8624, 16.2658, 55.3879**, and if you desaturate by 10%, it is **34.1112, 16.7635, 55.4709**.

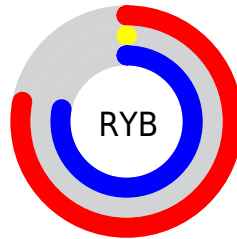
Distribution



Red (78%)

Green (0%)

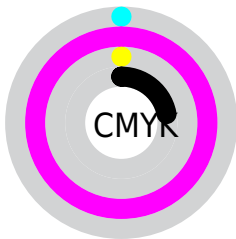
Blue (78%)



Red (78%)

Yellow (0%)

Blue (78%)

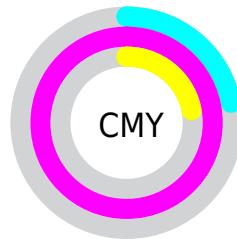


Cyan (0%)

Magenta (100%)

Yellow (0%)

Black (22%)



Cyan (22%)


Magenta (100%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8620, 16.2656, 55.3877 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 33.8620, 16.2656, 55.3877 by changing the saturation by 10% instead.


 33.8620, 16.2656,
55.3877


 33.8620, 16.2656,
55.3877


311.1130,
230.9039, 424.7032


 22.9500, 9.7123,
39.3115


 65.0647, 37.0587,
99.5856


 14.6771, 5.2086,
26.6925


 86.0862, 52.0673,
128.5444


 8.6779, 2.3702,
17.1120


 111.2081, 70.6630,
162.6345

 4.5871, 0.8105,
10.1516

 140.7959, 93.2304,
202.2744

 2.0393, 0.0000,
5.3927

 175.2150,
120.1538, 247.8827

 0.6559, 0.0000,
2.4167

 214.8306,

 0.0000, 0.0000,

151.8176, 299.8779

0.7955

260.0082,
188.6062, 358.6786

■ 0.0000, 0.0000,
0.0000

■ 33.8620, 16.2656,
55.3877

■ 33.8620, 16.2656,
55.3877

■ 33.8624, 16.2658,
55.3879

■ 34.1112, 16.7635,
55.4709

■ 34.6153, 17.7716,
55.6390

■ 35.4639, 19.4687,
55.9219

■ 36.7037, 21.9483,
56.3353

■ 38.3741, 25.2892,
56.8921

■ 40.5099, 29.5607,
57.6041

■ 43.1422, 34.8252,
58.4816

■ 46.2993, 41.1395,
59.5341

■ 50.0076, 48.5561,
60.7702

Harmonies

Analogous

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



24.5195, 16.2656, 98.8396



33.8620, 16.2656, 55.3877



38.1337, 16.2656, 19.1890

Triad

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



33.8620, 16.2656, 55.3877



15.9680, 16.2656, 0.0000



5.0895, 16.2656, 50.2259

Complementary

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



33.8620, 16.2656, 55.3877



20.4242, 40.8477, 6.8086

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.



4.2234, 16.2656, 16.3099



33.8620, 16.2656, 55.3877



8.9622, 16.2656, 0.0000

Square

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



33.8620, 16.2656, 55.3877



25.7224, 16.2656, 0.0048



5.3329, 16.2656, 2.7520



8.3706, 16.2656, 94.3802

Rectangle

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



33.8620, 16.2656, 55.3877



36.6735, 16.2656, 6.7550



5.3329, 16.2656, 2.7520



4.5738, 16.2656, 36.6896

Sweetspot

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



33.8627, 16.2664, 55.3880



75.3100, 60.5201, 102.3197



10.3095, 4.1242, 54.2864



15.6777, 12.0703, 21.7534



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.



33.8627, 16.2664, 55.3880



59.2898, 28.4799, 96.9789



25.8305, 13.0535, 13.0914



11.0832, 10.8166, 13.4212



21.7740, 10.4591, 35.6152



1.0310, 0.4952, 1.6864

Inverse Universe

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



33.8627, 16.2664, 55.3880



59.2898, 28.4799, 96.9789



22.7008, 41.7583, 18.7969



11.0832, 10.8166, 13.4212



21.7740, 10.4591, 35.6152



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 33.8620, 16.2656, 55.3877 looks on a white background.

Color Contrast Check

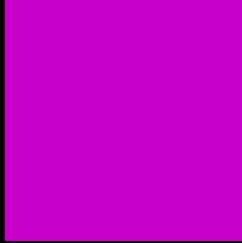
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.8620, 16.2656, 55.3877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

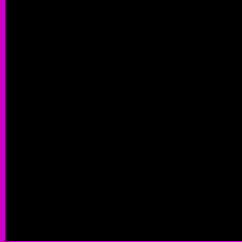
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.8620, 16.2656, 55.3877

Background



This preview shows how black text looks on a background with the XYZ color 33.8620, 16.2656, 55.3877.



This preview shows how white text looks on a background with the XYZ color 33.8620, 16.2656,

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

33.8620, 16.2656, 55.3877

Protanopia

20.2839, 17.0351, 79.3098

Deuteranopia

17.4843, 17.0783, 49.3886



Tritanopia

24.5354, 16.5124, 10.0777

Trichromacy



Original Color

33.8620, 16.2656, 55.3877



Protanomaly

17.9138, 10.9785, 69.5815



Deuteranomaly

18.9890, 12.2397, 50.6519



Tritanomaly

26.3281, 14.8382, 20.8785

Monochromacy



Original Color

33.8620, 16.2656, 55.3877



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.3871, 8.2966, 20.2979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8620, 16.2656, 55.3877 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(199, 0, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 199)  
}
```

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(199, 0, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 199) }
```

Border

The CSS property to change the border of an element to XYZ 33.8620, 16.2656, 55.3877 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(199, 0, 199) }
```


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

```
.border{ border-color:rgb(199, 0, 199) }
```

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

Here you see how a box with a 4 pixel rgb(199, 0, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 199);  
box-shadow:4px 4px 4px 4px rgb(199, 0,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8620, 16.2656, 55.3877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 199) }
```

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

```
.background{ background-color: rgb(199, 0,  
199) }
```

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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