

Converting Colors

XYZ(33.7376, 15.5366, 85.4221)

Have a look what the booklet for
XYZ(33.7376, 15.5366, 85.4221)
contains.

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Color

**XYZ(33.7062, 15.5248,
85.2245)**

Conversions

Conversions Part 1

Format	Color
Hex	AF00F2
RGB	175, 0, 242
RGB Percent	69%, 0%, 95%
CMY	0.3137, 1.0000, 0.0510
CMYK	0.28, 1.00, 0.00, 0.05
HSL	283°, 100%, 47%
HSV	283°, 100%, 95%
XYZ	33.7062, 15.5248, 85.2245
YIQ	79.9130, 26.6180, 112.3620

Conversions

Conversions Part 2

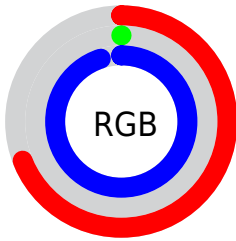
Format	Color
R_{YB}	175, 0, 242
Decimal	11469042
CIE _{Lab}	46.34, 85.18, -76.83
CIE _{LCh}	46, 114.710, 317.953
Yxy	15.5248, 0.2507, 0.1155
Android (android.graphics.Color)	4289659122 (0xFFAF00F2)
YUV	79.9130, 79.9089, 83.3913
Hunter-Lab	39.4015, 83.7459, -100.6617

Details

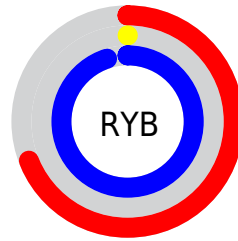
The XYZ color **33.7062, 15.5248, 85.2245** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **34.0676, 64.6981, 10.6927**, and the grayscale version is **7.4560, 7.8443, 8.5425**.

A 20% lighter version of the original color is **56.2982, 32.3652, 97.8876**, and **15.5912, 7.0381, 45.8841** is the 20% darker color. If you saturate the color by 10%, you get **33.7063, 15.5248, 85.2248**, and if you desaturate by 10%, it is **35.5794, 16.9817, 85.4073**.

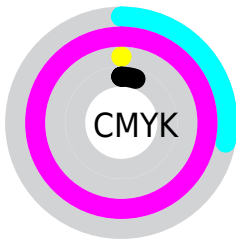
Distribution



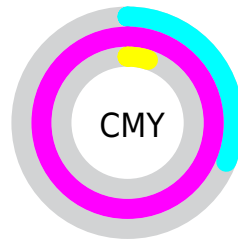
- Red (69%)
- Green (0%)
- Blue (95%)



- Red (69%)
- Yellow (0%)
- Blue (95%)



- Cyan (28%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (31%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7062, 15.5248, 85.2245 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 33.7062, 15.5248, 85.2245 by changing the saturation by 10% instead.

 33.7062, 15.5248,
85.2245

 33.7062, 15.5248,
85.2245


310.4290,
226.5211, 532.5346

 22.8298, 9.1885,
63.4757


 64.8239, 35.7712,
142.5637


 14.5879, 4.8644,
45.7827


 85.7958, 50.4502,
178.9912

 8.6151, 2.1679,
31.7269


 110.8637, 68.6788,
221.1487

 4.5461, 0.7024,
20.8899

 140.3928, 90.8416,
269.4547

 2.0155, 0.0000,
12.8531

 174.7486,
117.3227, 324.3277

 0.6426, 0.0000,
7.1979

 214.2963,

 0.0000, 0.0000,

148.5068, 386.1864

3.5059

259.4013,
184.7781, 455.4491

■ 0.0000, 0.0000,
1.3584

■ 0.0000, 0.0000,
0.1089

■ 33.7062, 15.5248,
85.2245

■ 33.7062, 15.5248,
85.2245

■ 33.7063, 15.5248,
85.2248

■ 35.5794, 16.9817,
85.4073

■ 37.9393, 19.3010,
85.7306

■ 40.9164, 22.7407,
86.2376

■ 44.5881, 27.4543,
86.9539

■ 49.0198, 33.5710,
87.9010

■ 54.2686, 41.2037,
89.0976

■ 60.3860, 50.4539,
90.5606

■ 67.4188, 61.4139,
92.3055

■ 75.4104, 74.1691,
94.3463

Harmonies

Analogous

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



21.3804, 15.5248, 138.3375



33.7062, 15.5248, 85.2245



42.0242, 15.5248, 30.9013

Triad

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



33.7062, 15.5248, 85.2245



19.0615, 15.5248, 0.0000



3.0914, 15.5248, 39.6736

Complementary

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



33.7062, 15.5248, 85.2245



34.0676, 64.6981, 10.6927

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.



2.9170, 15.5248, 7.9379



33.7062, 15.5248, 85.2245



9.6641, 15.5248, 0.0000

Square

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



33.7062, 15.5248, 85.2245



31.3742, 15.5248, 0.0000



4.7016, 15.5248, 0.2153



5.3736, 15.5248, 97.3513

Rectangle

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



33.7062, 15.5248, 85.2245



42.4970, 15.5248, 10.4672



4.7016, 15.5248, 0.2153



2.8382, 15.5248, 25.5517

Sweetspot

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



33.7070, 15.5253, 85.2249



67.9428, 56.7221, 101.9752



18.1292, 10.6149, 85.0981



13.8936, 11.1506, 21.6700



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.



33.7070, 15.5253, 85.2249



37.9133, 17.4599, 95.9796



45.8654, 22.5764, 50.4090



16.0028, 15.7987, 19.9276



18.2462, 8.4117, 45.7898



1.6136, 0.7491, 3.8138

Inverse Universe

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



37.6315, 19.2829, 7.0499



42.3645, 21.7098, 7.8516



32.3822, 63.7565, 13.9007



15.9526, 15.8308, 17.3067



20.2653, 10.3785, 4.0477



1.7265, 0.8797, 0.5509

Previews

White Background



This preview shows how the XYZ color 33.7062, 15.5248, 85.2245 looks on a white background.

Color Contrast Check

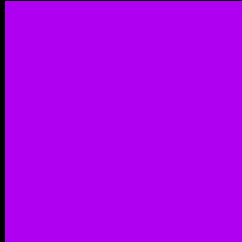
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7062, 15.5248, 85.2245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

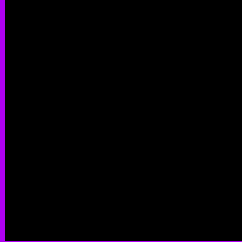
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.7062, 15.5248, 85.2245

Background



This preview shows how black text looks on a background with the XYZ color 33.7062, 15.5248, 85.2245.



This preview shows how white text looks on a background with the XYZ color 33.7062, 15.5248,

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

33.7062, 15.5248, 85.2245

Protanopia

19.0900, 16.2161, 74.0754

Deuteranopia

16.0954, 16.0658, 55.0760



Tritanopia

19.4394, 15.8191, 14.5992

Trichromacy



Original Color

33.7062, 15.5248, 85.2245

Protanomaly

18.8080, 11.1724, 77.5091

Deuteranomaly

16.5071, 10.6592, 64.1382

Tritanomaly

21.8628, 13.0052, 31.4949

Monochromacy



Original Color

33.7062, 15.5248, 85.2245

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

12.9143, 7.8766, 25.2658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7062, 15.5248, 85.2245 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(175, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(175, 0, 242)  
}
```

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(175, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 33.7062, 15.5248, 85.2245 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(175, 0, 242) }
```


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

```
.border{ border-color:rgb(175, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(175, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(175, 0,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7062, 15.5248, 85.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 0, 242) }
```

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

```
.background{ background-color: rgb(175, 0,  
242) }
```

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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