

Converting Colors

XYZ(33.6413, 15.4801, 95.8226)

Have a look what the booklet for
XYZ(33.6413, 15.4801, 95.8226)
contains.

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Color

**XYZ(33.7110, 15.5072,
95.8242)**

Conversions

Conversions Part 1

Format	Color
Hex	A50DFF
RGB	165, 13, 255
RGB Percent	65%, 5%, 100%
CMY	0.3529, 0.9490, 0.0000
CMYK	0.35, 0.95, 0.00, 0.00
HSL	278°, 100%, 53%
HSV	278°, 95%, 100%
XYZ	33.7110, 15.5072, 95.8242
YIQ	86.0360, 12.9100, 107.4860

Conversions

Conversions Part 2

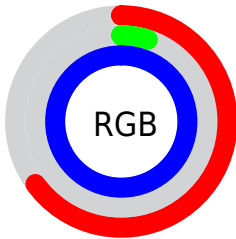
Format	Color
R_{YB}	165, 13, 255
Decimal	10817023
CIE _{Lab}	46.32, 85.30, -84.21
CIE _{LCh}	46, 119.866, 315.369
Yxy	15.5072, 0.2324, 0.1069
Android (android.graphics.Color)	4289007103 (0xFFA50DFF)
YUV	86.0360, 83.2993, 69.2514
Hunter-Lab	39.3792, 83.8934, -116.7092

Details

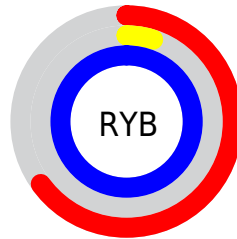
The XYZ color **33.7110, 15.5072, 95.8242** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **41.4259, 74.4325, 12.5644**, and the grayscale version is **8.6810, 9.1331, 9.9460**.

A 20% lighter version of the original color is **53.5557, 31.2052, 97.8082**, and **15.6716, 6.9148, 53.3320** is the 20% darker color. If you saturate the color by 10%, you get **32.5810, 14.7110, 95.7300**, and if you desaturate by 10%, it is **36.3235, 17.6932, 96.1084**.

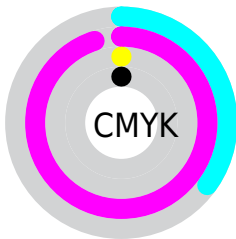
Distribution



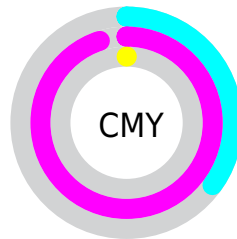
- Red (65%)
- Green (5%)
- Blue (100%)



- Red (65%)
- Yellow (5%)
- Blue (100%)



- Cyan (35%)
- Magenta (95%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (95%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7110, 15.5072, 95.8242 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 33.7110, 15.5072, 95.8242 by changing the saturation by 10% instead.

 33.7110, 15.5072,
95.8242


 33.7110, 15.5072,
95.8242


310.4501,
226.4160, 567.8518

 22.8335, 9.1761,
72.2205

 64.8313, 35.7405,
157.4081

 14.5906, 4.8562,
52.8509


 85.8048, 50.4116,
196.2254

 8.6170, 2.1632,
37.2968

 110.8743, 68.6314,
240.9510

 4.5473, 0.6998,
25.1398

 140.4053, 90.7844,
292.0034

 2.0162, 0.0000,
15.9613

 174.7629,
117.2550, 349.8011

 0.6430, 0.0000,
9.3427

 214.3128,

 0.0000, 0.0000,

148.4275, 414.7627

4.8655

259.4200,
184.6863, 487.3068

■ 0.0000, 0.0000,
2.1112

■ 0.0000, 0.0000,
0.6224

■ 33.7110, 15.5072,
95.8242

■ 33.7110, 15.5072,
95.8242

■ 32.5810, 14.7110,
95.7300

■ 36.3235, 17.6932,
96.1084

■ 39.6435, 21.0736,
96.5859

■ 43.7723, 25.8456,
97.2894

■ 48.7922, 32.1694,
98.2454

■ 54.7740, 40.1825,
99.4768

■ 61.7809, 50.0072,
101.0039

■ 69.8700, 61.7539,
102.8449

■ 79.0941, 75.5241,
105.0166

■ 89.5022, 91.4122,
107.5348

Harmonies

Analogous

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



20.6111, 15.5072, 150.9946



33.7110, 15.5072, 95.8242



43.2586, 15.5072, 35.5584

Triad

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



33.7110, 15.5072, 95.8242



20.3060, 15.5072, 0.0000



2.7258, 15.5072, 36.7247

Complementary

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



33.7110, 15.5072, 95.8242



41.4259, 74.4325, 12.5644

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.



2.7045, 15.5072, 6.2554



33.7110, 15.5072, 95.8242



10.1040, 15.5072, 0.0000

Square

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



33.7110, 15.5072, 95.8242



33.4004, 15.5072, 0.0000



4.6848, 15.5072, 0.0000



4.7689, 15.5072, 97.4692

Rectangle

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



33.7110, 15.5072, 95.8242



44.4028, 15.5072, 12.1304



4.6848, 15.5072, 0.0000



2.5298, 15.5072, 22.7427

Sweetspot

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



33.7118, 15.5077, 95.8242



67.2445, 57.9023, 102.2398



23.3461, 17.5658, 96.7678



13.6487, 11.3135, 21.7143



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.



33.7118, 15.5077, 95.8242



32.5810, 14.7110, 95.7300



55.2169, 27.0811, 74.8213



18.0996, 17.9431, 22.7594



17.1948, 7.7747, 50.0290



1.7950, 0.8193, 4.8768

Inverse Universe

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



43.8320, 22.5271, 14.8692



43.2979, 22.0832, 12.7667



36.3303, 71.7673, 14.0570



18.2887, 18.0988, 20.1374



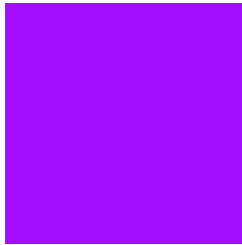
22.6901, 11.5653, 7.0184



2.2600, 1.1464, 0.9505

Previews

White Background



This preview shows how the XYZ color 33.7110, 15.5072, 95.8242 looks on a white background.

Color Contrast Check

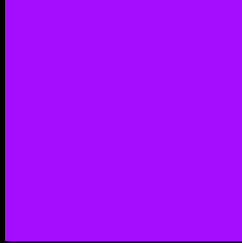
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7110, 15.5072, 95.8242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

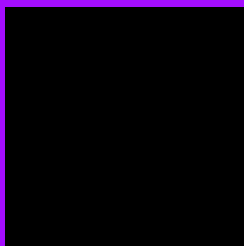
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.7110, 15.5072, 95.8242

Background



This preview shows how black text looks on a background with the XYZ color 33.7110, 15.5072, 95.8242.



This preview shows how white text looks on a background with the XYZ color 33.7110, 15.5072,

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

33.7110, 15.5072, 95.8242

Protanopia

18.7122, 15.8972, 72.6032

Deuteranopia

15.6427, 15.7053, 53.2459



Tritanopia

17.5805, 15.5154, 16.2555

Trichromacy



Original Color

33.7110, 15.5072, 95.8242



Protanomaly

19.2414, 11.7239, 79.8461



Deuteranomaly

16.9120, 11.2263, 66.2413



Tritanomaly

20.5328, 12.9105, 35.1280

Monochromacy



Original Color

33.7110, 15.5072, 95.8242



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

13.9007, 8.8794, 28.5850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7110, 15.5072, 95.8242 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(165, 13, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 13, 255)  
}
```

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(165, 13, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 13, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.7110, 15.5072, 95.8242 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(165, 13, 255) }
```


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

```
.border{ border-color:rgb(165, 13, 255) }
```

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

Here you see how a box with a 4 pixel rgb(165, 13, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 13, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 13, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 13,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7110, 15.5072, 95.8242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 13, 255) }
```

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

```
.background{ background-color: rgb(165, 13,  
255) }
```

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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