

Converting Colors

XYZ(32.1313, 14.9634, 73.8316)

Have a look what the booklet for
XYZ(32.1313, 14.9634, 73.8316)
contains.

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Color

**XYZ(32.2252, 15.0110,
73.8720)**

Conversions

Conversions Part 1

Format	Color
Hex	B200E3
RGB	178, 0, 227
RGB Percent	70%, 0%, 89%
CMY	0.3020, 1.0000, 0.1098
CMYK	0.22, 1.00, 0.00, 0.11
HSL	287°, 100%, 45%
HSV	287°, 100%, 89%
XYZ	32.2252, 15.0110, 73.8720
YIQ	79.1000, 33.2210, 108.3330

Conversions

Conversions Part 2

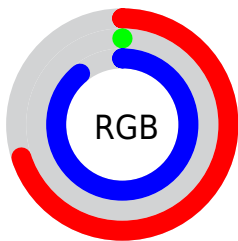
Format	Color
R_{YB}	178, 0, 227
Decimal	11665635
CIE _{Lab}	45.65, 82.92, -69.45
CIE _{LCh}	46, 108.161, 320.053
Yxy	15.0110, 0.2661, 0.1239
Android (android.graphics.Color)	4289855715 (0xFFB200E3)
YUV	79.1000, 72.9147, 86.7353
Hunter-Lab	38.7440, 80.6646, -85.9255

Details

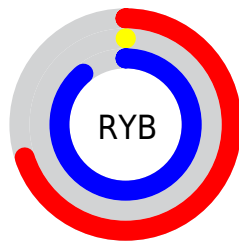
The XYZ color **32.2252, 15.0110, 73.8720** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **28.7363, 55.5916, 9.2160**, and the grayscale version is **7.3128, 7.6937, 8.3784**.

A 20% lighter version of the original color is **57.2190, 32.7155, 97.9067**, and **14.8634, 6.8242, 38.5640** is the 20% darker color. If you saturate the color by 10%, you get **32.2253, 15.0111, 73.8723**, and if you desaturate by 10%, it is **33.6711, 16.2028, 74.0261**.

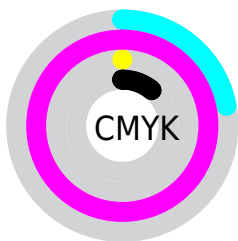
Distribution



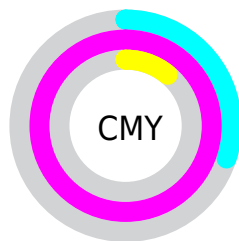
- Red (70%)
- Green (0%)
- Blue (89%)



- Red (70%)
- Yellow (0%)
- Blue (89%)



- Cyan (22%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)





- Cyan (30%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2252, 15.0110, 73.8720 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 32.2252, 15.0110, 73.8720 by changing the saturation by 10% instead.

 32.2252, 15.0110,
73.8720


 32.2252, 15.0110,
73.8720

303.8709,
223.4328, 493.1831


 21.6899, 8.8271,
54.1931


 62.5268, 34.8725,
126.4467


 13.7446, 4.6286,
38.3619


 83.0238, 49.3188,
160.1796


 8.0237, 2.0310,
25.9596

 107.5722, 67.2882,
199.4343

 4.1621, 0.6254,
16.5680

 136.5372, 89.1648,
244.6293

 1.7942, 0.0000,
9.7683

 170.2842,
115.3332, 296.1831

 0.5142, 0.0000,
5.1420

 209.1786,

 0.0000, 0.0000,

146.1778, 354.5143

2.2706

253.5857,
182.0828, 420.0415

■ 0.0000, 0.0000,
0.7147

■ 0.0000, 0.0000,
0.0000

■ 32.2252, 15.0110,
73.8720

■ 32.2252, 15.0110,
73.8720

■ 32.2253, 15.0111,
73.8723

■ 33.6711, 16.2028,
74.0261

■ 35.5097, 18.1206,
74.2994

■ 37.8556, 20.9921,
74.7300

■ 40.7742, 24.9478,
75.3397

■ 44.3208, 30.0974,
76.1467

■ 48.5438, 36.5373,
77.1672

■ 53.4867, 44.3538,
78.4154

■ 59.1891, 53.6257,
79.9045

■ 65.6877, 64.4256,
81.6466

Harmonies

Analogous

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



21.1138, 15.0110, 122.2940



32.2252, 15.0110, 73.8720



39.2268, 15.0110, 26.5671

Triad

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



32.2252, 15.0110, 73.8720



17.4935, 15.0110, 0.0000



3.3617, 15.0110, 40.1166

Complementary

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



32.2252, 15.0110, 73.8720



28.7363, 55.5916, 9.2160

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.



3.0677, 15.0110, 9.1517



32.2252, 15.0110, 73.8720



9.0887, 15.0110, 0.0000

Square

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



32.2252, 15.0110, 73.8720



28.6321, 15.0110, 0.0000



4.6454, 15.0110, 0.6472



5.7500, 15.0110, 92.1965

Rectangle

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



32.2252, 15.0110, 73.8720



39.2158, 15.0110, 9.0903



4.6454, 15.0110, 0.6472



3.0697, 15.0110, 26.6926

Sweetspot

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



32.2260, 15.0116, 73.8723



69.4936, 57.5216, 102.0478



14.9717, 7.7588, 73.3818



14.2666, 11.3429, 21.6874



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.



32.2260, 15.0116, 73.8723



41.8576, 19.4933, 96.1642



38.2616, 18.9643, 36.1472



14.6747, 14.4500, 18.1600



18.8962, 8.8072, 43.0872



1.4723, 0.6900, 3.1875

Inverse Universe

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



32.2333, 16.5530, 4.4028



41.9306, 21.5363, 5.5669



28.4040, 55.3123, 14.0783



14.5037, 14.4187, 15.5868



18.8335, 9.6676, 2.7524



1.4257, 0.7280, 0.3823

Previews

White Background



This preview shows how the XYZ color 32.2252, 15.0110, 73.8720 looks on a white background.

Color Contrast Check

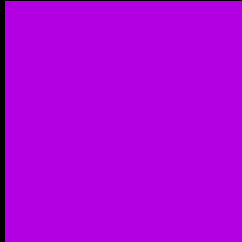
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2252, 15.0110, 73.8720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

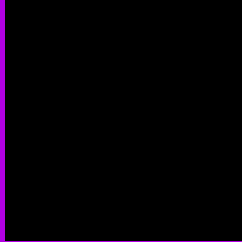
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.2252, 15.0110, 73.8720

Background



This preview shows how black text looks on a background with the XYZ color 32.2252, 15.0110, 73.8720.



This preview shows how white text looks on a background with the XYZ color 32.2252, 15.0110,

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

32.2252, 15.0110, 73.8720

Protanopia

18.4733, 15.6358, 71.8564

Deuteranopia

15.6445, 15.5285, 53.8025



Tritanopia

19.9360, 15.3419, 12.7370

Trichromacy



Original Color

32.2252, 15.0110, 73.8720



Protanomaly

17.6417, 10.5199, 71.6217



Deuteranomaly

15.6957, 10.1353, 60.1605



Tritanomaly

22.1469, 13.0164, 27.3317

Monochromacy



Original Color

32.2252, 15.0110, 73.8720



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.4445, 7.6195, 23.0051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2252, 15.0110, 73.8720 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(178, 0, 227)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 227)  
}
```

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(178, 0, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 227) }
```

Border

The CSS property to change the border of an element to XYZ 32.2252, 15.0110, 73.8720 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(178, 0, 227) }
```


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

```
.border{ border-color:rgb(178, 0, 227) }
```

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

Here you see how a box with a 4 pixel rgb(178, 0, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 227);  
box-shadow:4px 4px 4px 4px rgb(178, 0,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2252, 15.0110, 73.8720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 227) }
```

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

```
.background{ background-color: rgb(178, 0,  
227) }
```

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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