

Converting Colors

XYZ(32.1916, 15.1192, 73.1735)

Have a look what the booklet for
XYZ(32.1916, 15.1192, 73.1735)
contains.

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Color

**XYZ(32.1635, 15.1079,
73.1724)**

Conversions

Conversions Part 1

Format	Color
Hex	B207E2
RGB	178, 7, 226
RGB Percent	70%, 3%, 89%
CMY	0.3020, 0.9725, 0.1137
CMYK	0.21, 0.97, 0.00, 0.11
HSL	287°, 94%, 46%
HSV	287°, 97%, 89%
XYZ	32.1635, 15.1079, 73.1724
YIQ	83.0950, 31.6170, 104.3610

Conversions

Conversions Part 2

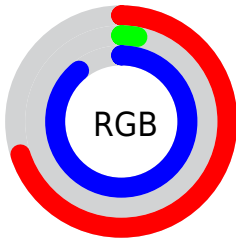
Format	Color
RYB	178, 7, 226
Decimal	11667426
CIELab	45.78, 82.13, -68.66
CIELCh	46, 107.049, 320.102
Yxy	15.1079, 0.2670, 0.1254
Android (android.graphics.Color)	4289857506 (0xFFB207E2)
YUV	83.0950, 70.4522, 83.2317
Hunter-Lab	38.8689, 79.6859, -84.4078

Details

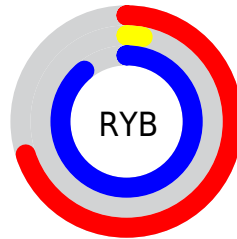
The XYZ color **32.1635, 15.1079, 73.1724** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **28.8110, 55.2208, 9.3415**, and the grayscale version is **8.1000, 8.5218, 9.2802**.

A 20% lighter version of the original color is **57.0510, 32.8793, 97.9472**, and **14.7692, 6.7865, 38.0676** is the 20% darker color. If you saturate the color by 10%, you get **31.7374, 14.7755, 73.1310**, and if you desaturate by 10%, it is **33.7000, 16.4619, 73.3530**.

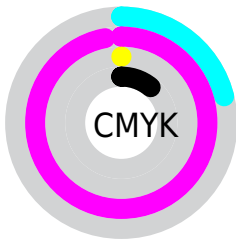
Distribution



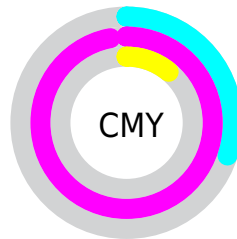
- Red (70%)
- Green (3%)
- Blue (89%)



- Red (70%)
- Yellow (3%)
- Blue (89%)



- Cyan (21%)
- Magenta (97%)
- Yellow (0%)
- Black (11%)





- Cyan (30%)
- Magenta (97%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1635, 15.1079, 73.1724 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 32.1635, 15.1079, 73.1724 by changing the saturation by 10% instead.


 32.1635, 15.1079,
73.1724

 32.1635, 15.1079,
73.1724


303.5954,
224.0184, 490.6989


 21.6426, 8.8951,
53.6243


 62.4308, 35.0424,
125.4451

 13.7096, 4.6729,
37.9102


 82.9078, 49.5329,
159.0068


 7.9993, 2.0566,
25.6117


 107.4343, 67.5514,
198.0767

 4.1463, 0.6401,
16.3102

 136.3756, 89.4823,
243.0734

 1.7852, 0.0000,
9.5872

 170.0970,
115.7101, 294.4154

 0.5088, 0.0000,
5.0241

 208.9638,

 0.0000, 0.0000,

146.6191, 352.5213

2.2024

253.3415,
182.5938, 417.8096

■ 0.0000, 0.0000,
0.6758

■ 0.0000, 0.0000,
0.0000

■ 32.1635, 15.1079,
73.1724

■ 32.1635, 15.1079,
73.1724

■ 31.7374, 14.7755,
73.1310

■ 33.7000, 16.4619,
73.3530

■ 35.6817, 18.6458,
73.6701

■ 38.1882, 21.8172,
74.1502

■ 41.2807, 26.0976,
74.8134

■ 45.0114, 31.5911,
75.6771

■ 49.4266, 38.3896,
76.7566

■ 54.5679, 46.5758,
78.0658

■ 60.4737, 56.2259,
79.6171

■ 67.1794, 67.4101,
81.4225

Harmonies

Analogous

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



21.1716, 15.1079, 120.8035



32.1635, 15.1079, 73.1724



39.0662, 15.1079, 26.5322

Triad

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



32.1635, 15.1079, 73.1724



17.5467, 15.1079, 0.0000



3.4639, 15.1079, 40.0609

Complementary

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



32.1635, 15.1079, 73.1724



28.8110, 55.2208, 9.3415

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.



3.1641, 15.1079, 9.3129



32.1635, 15.1079, 73.1724



9.1922, 15.1079, 0.0000

Square

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



32.1635, 15.1079, 73.1724



28.5772, 15.1079, 0.0000



4.7502, 15.1079, 0.7181



5.8699, 15.1079, 91.3731

Rectangle

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



32.1635, 15.1079, 73.1724



39.0452, 15.1079, 9.1941



4.7502, 15.1079, 0.7181



3.1680, 15.1079, 26.7727

Sweetspot

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



32.1643, 15.1085, 73.1727



70.1103, 58.6025, 102.2239



15.3339, 8.5734, 72.7984



14.3803, 11.5447, 21.7204



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.



32.1643, 15.1085, 73.1727



41.6321, 19.3770, 96.1536



38.4712, 19.1334, 38.5179



13.9857, 13.7762, 17.3096



18.2113, 8.4836, 41.7260



1.3359, 0.6260, 2.8957

Inverse Universe

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



32.1301, 16.5970, 5.1258



41.9511, 21.5445, 5.6749



28.2503, 54.8246, 14.1566



13.8296, 13.7495, 14.8729



18.2522, 9.3679, 2.7281



1.2985, 0.6627, 0.3646

Previews

White Background



This preview shows how the XYZ color 32.1635, 15.1079, 73.1724 looks on a white background.

Color Contrast Check

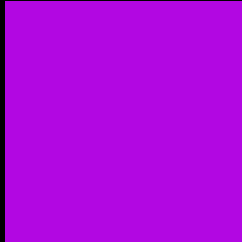
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.1635, 15.1079, 73.1724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

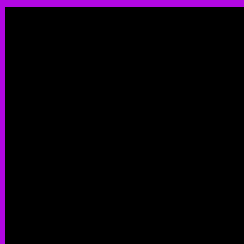
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.1635, 15.1079, 73.1724

Background



This preview shows how black text looks on a background with the XYZ color 32.1635, 15.1079, 73.1724.



This preview shows how white text looks on a background with the XYZ color 32.1635, 15.1079,

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

32.1635, 15.1079, 73.1724

Protanopia

18.4733, 15.6358, 71.8564

Deuteranopia

15.6445, 15.5285, 53.8025



Tritanopia

19.9360, 15.3419, 12.7370

Trichromacy



Original Color

32.1635, 15.1079, 73.1724



Protanomaly

17.8247, 10.8860, 71.6827



Deuteranomaly

15.7693, 10.4776, 59.5838



Tritanomaly

22.2478, 13.2181, 27.3654

Monochromacy



Original Color

32.1635, 15.1079, 73.1724



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.2106, 8.3332, 23.8339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1635, 15.1079, 73.1724 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, 7, 226)` looks like.

```
.text, #text, p{  
    color:rgb(178, 7, 226)  
}
```

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, 7, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 7, 226) }
```

Border

The CSS property to change the border of an element to XYZ 32.1635, 15.1079, 73.1724 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, 7, 226) }
```


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

```
.border{ border-color:rgb(178, 7, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 7, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 7, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 7, 226); box-shadow:4px 4px 4px 4px rgb(178, 7, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1635, 15.1079, 73.1724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 7, 226) }
```

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

```
.background{ background-color: rgb(178, 7,  
226) }
```

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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