

Converting Colors

XYZ(32.0756, 15.7302, 55.9904)

Have a look what the booklet for
XYZ(32.0756, 15.7302, 55.9904)
contains.

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Color

**XYZ(32.1793, 15.7828,
55.9939)**

Conversions

Conversions Part 1

Format	Color
Hex	BF15C8
RGB	191, 21, 200
RGB Percent	75%, 8%, 78%
CMY	0.2510, 0.9176, 0.2157
CMYK	0.04, 0.89, 0.00, 0.22
HSL	297°, 81%, 43%
HSV	297°, 89%, 78%
XYZ	32.1793, 15.7828, 55.9939
YIQ	92.2360, 43.8610, 91.7090

Conversions

Conversions Part 2

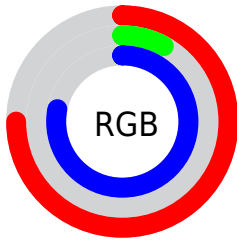
Format	Color
RYB	191, 21, 200
Decimal	12522952
CIELab	46.69, 78.28, -52.15
CIElCh	47, 94.058, 326.326
Yxy	15.7828, 0.3095, 0.1518
Android (android.graphics.Color)	4290713032 (0xFFBF15C8)
YUV	92.2360, 53.1277, 86.6160
Hunter-Lab	39.7276, 75.0616, -55.7568

Details

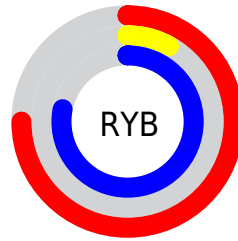
The XYZ color **32.1793, 15.7828, 55.9939** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed purple. A complement of this color would be **21.3256, 41.6391, 7.6233**, and the grayscale version is **10.1032, 10.6294, 11.5754**.

A 20% lighter version of the original color is **62.0165, 36.0950, 98.3061**, and **14.7837, 7.0309, 27.3660** is the 20% darker color. If you saturate the color by 10%, you get **31.6705, 15.1388, 55.8966**, and if you desaturate by 10%, it is **32.9587, 16.9643, 56.1811**.

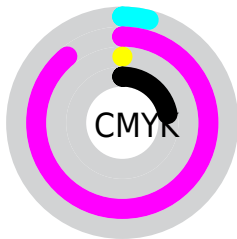
Distribution



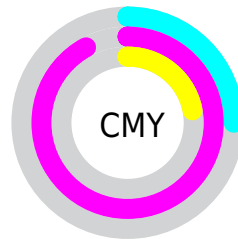
- Red (75%)
- Green (8%)
- Blue (78%)



- Red (75%)
- Yellow (8%)
- Blue (78%)



- Cyan (4%)
- Magenta (89%)
- Yellow (0%)
- Black (22%)





- Cyan (25%)
- Magenta (92%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1793, 15.7828, 55.9939 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 32.1793, 15.7828, 55.9939 by changing the saturation by 10% instead.

 32.1793, 15.7828,
55.9939


 32.1793, 15.7828,
55.9939


303.6660,
228.0566, 427.0562


 21.6547, 9.3706,
39.7941


 62.4554, 36.2207,
100.4814


 13.7186, 4.9837,
27.0655

 82.9375, 51.0152,
129.6061

 8.0056, 2.2377,
17.3895


 107.4696, 69.3726,
163.8762

 4.1504, 0.7404,
10.3477

 136.4170, 91.6773,
203.7102

 1.7875, 0.0000,
5.5215

 170.1449,
118.3136, 249.5266

 0.5101, 0.0000,
2.4923

 209.0188,

 0.0000, 0.0000,

149.6660, 301.7441

0.8361

253.4041,
186.1189, 360.7811

■ 0.0000, 0.0000,
0.0000

■ 32.1793, 15.7828,
55.9939

■ 32.1793, 15.7828,
55.9939

■ 31.6705, 15.1388,
55.8966

■ 32.9587, 16.9643,
56.1811

■ 31.6468, 15.1102,
55.8924

■ 34.0903, 18.8482,
56.4851

■ 35.6216, 21.5287,
56.9218

■ 37.5921, 25.0854,
57.5044

■ 40.0369, 29.5879,
58.2446

■ 42.9873, 35.0989,
59.1529

■ 46.4719, 41.6759,
60.2387

■ 50.5174, 49.3719,
61.5109

■ 55.1483, 58.2363,
62.9779

Harmonies

Analogous

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



23.0761, 15.7828, 96.9146



32.1793, 15.7828, 55.9939



36.6938, 15.7828, 20.2227

Triad

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



32.1793, 15.7828, 55.9939



16.0274, 15.7828, 0.0000



4.8854, 15.7828, 45.7482

Complementary

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



32.1793, 15.7828, 55.9939



21.3256, 41.6391, 7.6233

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.



4.1697, 15.7828, 14.4675



32.1793, 15.7828, 55.9939



9.0710, 15.7828, 0.0000

Square

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



32.1793, 15.7828, 55.9939



25.4712, 15.7828, 0.1553



5.3761, 15.7828, 2.3814



7.8838, 15.7828, 88.0892

Rectangle

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



32.1793, 15.7828, 55.9939



35.6162, 15.7828, 7.4067



5.3761, 15.7828, 2.3814



4.4303, 15.7828, 33.1334

Sweetspot

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



32.1800, 15.7835, 55.9942



75.6184, 63.0104, 102.7844



11.2773, 5.4144, 55.0945



15.7705, 12.7071, 21.8715



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.



32.1800, 15.7835, 55.9942



54.7295, 26.1290, 96.7666



27.6281, 14.2323, 19.8464



11.0284, 10.7884, 13.4186



20.1454, 9.6196, 35.5393



0.9704, 0.4640, 1.6836

Inverse Universe

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



24.3224, 12.9100, 2.4391



41.3115, 21.2886, 2.3065



23.1957, 42.3610, 18.6520



10.6551, 10.6454, 11.1672



15.1902, 7.8256, 0.9455



0.7270, 0.3736, 0.0853

Previews

White Background



This preview shows how the XYZ color 32.1793, 15.7828, 55.9939 looks on a white background.

Color Contrast Check

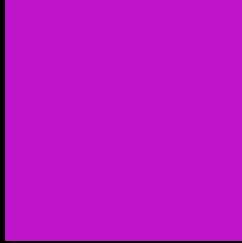
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.1793, 15.7828, 55.9939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

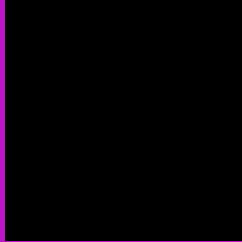
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.1793, 15.7828, 55.9939

Background



This preview shows how black text looks on a background with the XYZ color 32.1793, 15.7828, 55.9939.



This preview shows how white text looks on a background with the XYZ color 32.1793, 15.7828,

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

32.1793, 15.7828, 55.9939

Protanopia

19.3662, 16.3266, 75.5294

Deuteranopia

16.7272, 16.3406, 49.8494



Tritanopia

22.9085, 15.8742, 10.6607

Trichromacy



Original Color

32.1793, 15.7828, 55.9939



Protanomaly

17.6936, 11.4960, 67.6161



Deuteranomaly

18.3269, 12.6073, 51.3367



Tritanomaly

24.9232, 14.7275, 21.6078

Monochromacy



Original Color

32.1793, 15.7828, 55.9939



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

14.9470, 10.1243, 22.6391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1793, 15.7828, 55.9939 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(191, 21, 200)` looks like.

```
.text, #text, p{  
    color:rgb(191, 21, 200)  
}
```

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(191, 21, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 21, 200) }
```

Border

The CSS property to change the border of an element to XYZ 32.1793, 15.7828, 55.9939 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(191, 21, 200) }
```


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

```
.border{ border-color:rgb(191, 21, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 21, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 21, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 21, 200);  
box-shadow:4px 4px 4px 4px rgb(191, 21,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1793, 15.7828, 55.9939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 21, 200) }
```

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

```
.background{ background-color: rgb(191, 21,  
200) }
```

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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