

Converting Colors

XYZ(32.8018, 15.9282, 64.9648)

Have a look what the booklet for
XYZ(32.8018, 15.9282, 64.9648)
contains.

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Color

**XYZ(32.9180, 15.9937,
64.9704)**

Conversions

Conversions Part 1

Format	Color
Hex	BB16D6
RGB	187, 22, 214
RGB Percent	73%, 9%, 84%
CMY	0.2667, 0.9137, 0.1608
CMYK	0.13, 0.90, 0.00, 0.16
HSL	292°, 81%, 46%
HSV	292°, 90%, 84%
XYZ	32.9180, 15.9937, 64.9704
YIQ	93.2230, 36.7080, 94.6920

Conversions

Conversions Part 2

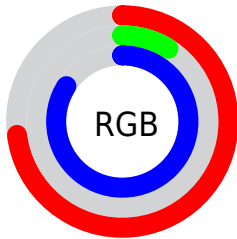
Format	Color
RYB	187, 22, 214
Decimal	12261078
CIELab	46.97, 79.72, -59.81
CIELCh	47, 99.668, 323.120
Yxy	15.9937, 0.2891, 0.1404
Android (android.graphics.Color)	4290451158 (0xFFBB16D6)
YUV	93.2230, 59.5431, 82.2424
Hunter-Lab	39.9921, 76.9393, -68.3269

Details

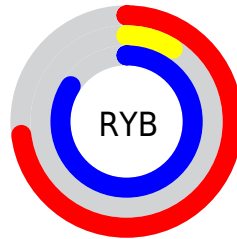
The XYZ color **32.9180, 15.9937, 64.9704** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed purple. A complement of this color would be **25.4588, 48.8045, 8.8381**, and the grayscale version is **10.3178, 10.8551, 11.8212**.

A 20% lighter version of the original color is **60.5906, 35.3599, 98.2394**, and **15.0736, 7.0578, 32.9156** is the 20% darker color. If you saturate the color by 10%, you get **31.9096, 15.0578, 64.8431**, and if you desaturate by 10%, it is **34.2546, 17.5616, 65.2028**.

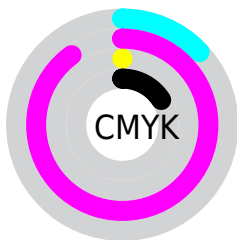
Distribution



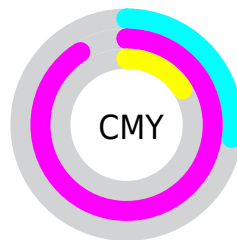
- Red (73%)
- Green (9%)
- Blue (84%)



- Red (73%)
- Yellow (9%)
- Blue (84%)



- Cyan (13%)
- Magenta (90%)
- Yellow (0%)
- Black (16%)





- Cyan (27%)
- Magenta (91%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9180, 15.9937, 64.9704 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 32.9180, 15.9937, 64.9704 by changing the saturation by 10% instead.


 32.9180, 15.9937,
64.9704


 32.9180, 15.9937,
64.9704


306.9516,
229.3045, 460.9889


 22.2226, 9.5197,
46.9859


 63.6030, 36.5873,
113.6202

 14.1381, 5.0817,
32.6702


 84.3233, 51.4756,
145.1225


 8.2991, 2.2953,
21.6049


 109.1160, 69.9375,
181.9679


 4.3403, 0.7712,
13.3713

 138.3463, 92.3574,
224.5748

 1.8964, 0.0000,
7.5510

 172.3797,
119.1197, 273.3618

 0.5748, 0.0000,
3.7254

 211.5814,

 0.0000, 0.0000,

150.6087, 328.7475

1.4759

256.3170,
187.2088, 391.1503

■ 0.0000, 0.0000,
0.1999

■ 0.0000, 0.0000,
0.0000

■ 32.9180, 15.9937,
64.9704

■ 32.9180, 15.9937,
64.9704

■ 31.9096, 15.0578,
64.8431

■ 34.2546, 17.5616,
65.2028

■ 31.8823, 15.0338,
64.8400

■ 36.0148, 19.9544,
65.5719

■ 38.2552, 23.2845,
66.0966

■ 41.0231, 27.6462,
66.7926

■ 44.3599, 33.1223,
67.6738

■ 48.3029, 39.7872,
68.7524

■ 52.8860, 47.7087,
70.0398

■ 58.1408, 56.9495,
71.5465

■ 64.0965, 67.5683,
73.2823

Harmonies

Analogous

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



22.7714, 15.9937, 109.2511



32.9180, 15.9937, 64.9704



38.6267, 15.9937, 23.8145

Triad

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



32.9180, 15.9937, 64.9704



17.2971, 15.9937, 0.0000



4.4156, 15.9937, 43.8529

Complementary

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



32.9180, 15.9937, 64.9704



25.4588, 48.8045, 8.8381

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.



3.9000, 15.9937, 12.2779



32.9180, 15.9937, 64.9704



9.5281, 15.9937, 0.0000

Square

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



32.9180, 15.9937, 64.9704



27.6299, 15.9937, 0.0875



5.3552, 15.9937, 1.5767



7.2032, 15.9937, 90.8508

Rectangle

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



32.9180, 15.9937, 64.9704



38.0402, 15.9937, 8.6382



5.3552, 15.9937, 1.5767



4.0292, 15.9937, 30.7285

Sweetspot

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



32.9187, 15.9944, 64.9707



73.4077, 61.8707, 102.6810



13.6444, 7.3769, 64.3233



15.2398, 12.4335, 21.8466



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.



32.9187, 15.9944, 64.9707



47.3056, 22.3018, 96.4191



33.2699, 16.9710, 29.0457



12.7734, 12.5401, 15.6848



19.3375, 9.1213, 39.1946



1.2146, 0.5750, 2.3663

Inverse Universe

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



28.5734, 15.0923, 4.3141



41.5563, 21.3865, 3.5956



26.1897, 48.9888, 17.5726



12.4937, 12.4490, 13.2740



16.9271, 8.7071, 1.6541



1.0444, 0.5345, 0.2232

Previews

White Background



This preview shows how the XYZ color 32.9180, 15.9937, 64.9704 looks on a white background.

Color Contrast Check

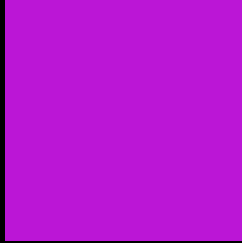
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.9180, 15.9937, 64.9704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

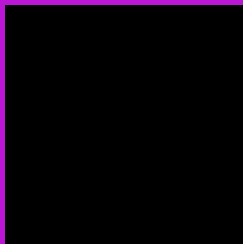
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.9180, 15.9937, 64.9704

Background



This preview shows how black text looks on a background with the XYZ color 32.9180, 15.9937, 64.9704.



This preview shows how white text looks on a background with the XYZ color 32.9180, 15.9937,

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

32.9180, 15.9937, 64.9704

Protanopia

19.5054, 16.3823, 76.2628

Deuteranopia

16.9665, 16.4476, 58.1576



Tritanopia

22.0541, 16.0862, 12.0678

Trichromacy



Original Color

32.9180, 15.9937, 64.9704



Protanomaly

18.4923, 11.9185, 71.8469



Deuteranomaly

17.4763, 12.0904, 59.8051



Tritanomaly

24.3529, 14.6797, 24.8425

Monochromacy



Original Color

32.9180, 15.9937, 64.9704



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

15.2749, 10.3325, 24.8562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9180, 15.9937, 64.9704 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(187, 22, 214)` looks like.

```
.text, #text, p{  
    color:rgb(187, 22, 214)  
}
```

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(187, 22, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 22, 214) }
```

Border

The CSS property to change the border of an element to XYZ 32.9180, 15.9937, 64.9704 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(187, 22, 214) }
```


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

```
.border{ border-color:rgb(187, 22, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 22, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 22, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 22, 214);  
box-shadow:4px 4px 4px 4px rgb(187, 22,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9180, 15.9937, 64.9704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 22, 214) }
```

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

```
.background{ background-color: rgb(187, 22,  
214) }
```

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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