

Converting Colors

XYZ(32.4701, 15.4926, 54.4420)

Have a look what the booklet for
XYZ(32.4701, 15.4926, 54.4420)
contains.

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Color

**XYZ(32.6987, 15.6793,
54.7291)**

Conversions

Conversions Part 1

Format	Color
Hex	C300C6
RGB	195, 0, 198
RGB Percent	76%, 0%, 78%
CMY	0.2353, 0.9999, 0.2235
CMYK	0.02, 1.00, 0.00, 0.22
HSL	299°, 100%, 39%
HSV	299°, 100%, 78%
XYZ	32.6987, 15.6793, 54.7291
YIQ	80.8770, 52.6620, 102.9180

Conversions

Conversions Part 2

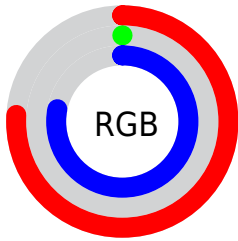
Format	Color
RYB	195, 0, 198
Decimal	12779718
CIELab	46.55, 80.73, -51.17
CIELCh	47, 95.585, 327.631
Yxy	15.6793, 0.3171, 0.1521
Android (android.graphics.Color)	4290969798 (0xFFC300C6)
YUV	80.8770, 57.7416, 100.0859
Hunter-Lab	39.5971, 78.1078, -54.2297

Details

The XYZ color **32.6987, 15.6793, 54.7291** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **20.2321, 40.4079, 6.7338**, and the grayscale version is **7.6823, 8.0824, 8.8017**.

A 20% lighter version of the original color is **63.0311, 35.9622, 98.2270**, and **15.1113, 7.2174, 26.5832** is the 20% darker color. If you saturate the color by 10%, you get **32.6990, 15.6795, 54.7293**, and if you desaturate by 10%, it is **33.0237, 16.2136, 54.8153**.

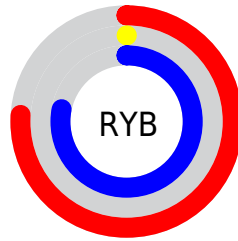
Distribution



Red (76%)

Green (0%)

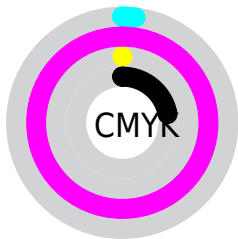
Blue (78%)



Red (76%)

Yellow (0%)

Blue (78%)

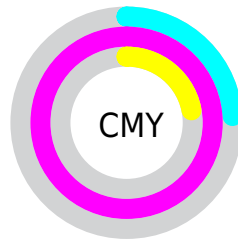


Cyan (2%)

Magenta (100%)

Yellow (0%)

Black (22%)



Cyan (24%)


Magenta (100%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6987, 15.6793, 54.7291 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 32.6987, 15.6793, 54.7291 by changing the saturation by 10% instead.


 32.6987, 15.6793,
54.7291


 32.6987, 15.6793,
54.7291

305.9789,
227.4418, 422.1372

 22.0539, 9.2975,
38.7877


 63.2627, 36.0406,
98.6111

 14.0133, 4.9357,
26.2881

 83.9125, 50.7888,
127.3888


 8.2117, 2.2096,
16.8116


 108.6281, 69.0947,
161.2824

 4.2836, 0.7252,
9.9397

 137.7747, 91.3425,
200.7104

 1.8638, 0.0000,
5.2539

 171.7177,
117.9168, 246.0913

 0.5557, 0.0000,
2.3357

 210.8225,

 0.0000, 0.0000,

149.2018, 297.8437

0.7511

255.4545,
185.5820, 356.3862

■ 0.0000, 0.0000,
0.0000

■ 32.6987, 15.6793,
54.7291

■ 32.6987, 15.6793,
54.7291

■ 32.6990, 15.6795,
54.7293

■ 33.0237, 16.2136,
54.8153

■ 33.6006, 17.2519,
54.9853

■ 34.5182, 18.9714,
55.2689

■ 35.8225, 21.4643,
55.6813

■ 37.5527, 24.8085,
56.2356

■ 39.7428, 29.0725,
56.9432

■ 42.4237, 34.3177,
57.8143

■ 45.6235, 40.6004,
58.8583

■ 49.3680, 47.9724,
60.0839

Harmonies

Analogous

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



23.5285, 15.6793, 97.1323



32.6987, 15.6793, 54.7291



37.0111, 15.6793, 19.0177

Triad

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



32.6987, 15.6793, 54.7291



15.5674, 15.6793, 0.0000



4.8092, 15.6793, 47.9640

Complementary

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



32.6987, 15.6793, 54.7291



20.2321, 40.4079, 6.7338

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.



4.0135, 15.6793, 15.2639



32.6987, 15.6793, 54.7291



8.6942, 15.6793, 0.0000

Square

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



32.6987, 15.6793, 54.7291



25.1007, 15.6793, 0.0000



5.1240, 15.6793, 2.4775



7.9258, 15.6793, 91.2750

Rectangle

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



32.6987, 15.6793, 54.7291



35.6866, 15.6793, 6.6836



5.1240, 15.6793, 2.4775



4.3261, 15.6793, 34.8426

Sweetspot

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



32.6994, 15.6800, 54.7294



74.8850, 60.3010, 102.3001



10.2295, 4.1495, 53.6881



15.5740, 12.0169, 21.7486



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.



32.6994, 15.6800, 54.7294



57.8831, 27.7547, 96.9142



25.7028, 12.9718, 13.8007



11.0666, 10.8081, 13.4204



21.2719, 10.2003, 35.5921



1.0124, 0.4857, 1.6855

Inverse Universe

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



23.3056, 12.0130, 1.1772



41.2612, 21.2685, 2.0414



22.2926, 41.2277, 17.7798



10.6403, 10.6395, 11.0890



15.1588, 7.8131, 0.7801



0.7201, 0.3709, 0.0492

Previews

White Background



This preview shows how the XYZ color 32.6987, 15.6793, 54.7291 looks on a white background.

Color Contrast Check

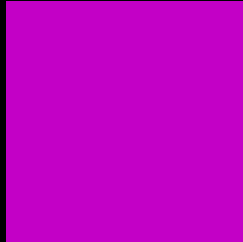
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.6987, 15.6793, 54.7291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

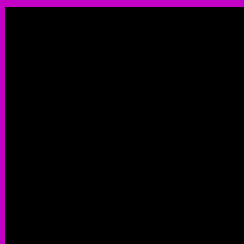
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.6987, 15.6793, 54.7291

Background



This preview shows how black text looks on a background with the XYZ color 32.6987, 15.6793, 54.7291.



This preview shows how white text looks on a background with the XYZ color 32.6987, 15.6793,

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

32.6987, 15.6793, 54.7291

Protanopia

19.5054, 16.3823, 76.2628

Deuteranopia

16.8824, 16.4454, 48.7389



Tritanopia

23.5771, 16.0184, 10.0328

Trichromacy



Original Color

32.6987, 15.6793, 54.7291



Protanomaly

17.3815, 10.6578, 67.4707



Deuteranomaly

18.2937, 11.7972, 50.0281



Tritanomaly

25.3358, 14.3267, 20.8320

Monochromacy



Original Color

32.6987, 15.6793, 54.7291



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.8921, 8.0488, 19.9429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6987, 15.6793, 54.7291 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(195, 0, 198)` looks like.

```
.text, #text, p{  
    color:rgb(195, 0, 198)  
}
```

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(195, 0, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 0, 198) }
```

Border

The CSS property to change the border of an element to XYZ 32.6987, 15.6793, 54.7291 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(195, 0, 198) }
```


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

```
.border{ border-color:rgb(195, 0, 198) }
```

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

Here you see how a box with a 4 pixel rgb(195, 0, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 0, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 0, 198);  
box-shadow:4px 4px 4px 4px rgb(195, 0,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6987, 15.6793, 54.7291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 0, 198) }
```

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

```
.background{ background-color: rgb(195, 0,  
198) }
```

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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