

Converting Colors

XYZ(32.2887, 16.6398, 34.7677)

Have a look what the booklet for
XYZ(32.2887, 16.6398, 34.7677)
contains.

XYZ(32.2887, 16.6398, 34.7677)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.2887, 16.6398,
34.7677)**

Conversions

Conversions Part 1

Format	Color
Hex	CE1FA0
RGB	206, 31, 160
RGB Percent	81%, 12%, 63%
CMY	0.1922, 0.8784, 0.3725
CMYK	0.00, 0.85, 0.22, 0.19
HSL	316°, 74%, 46%
HSV	316°, 85%, 81%
XYZ	32.2887, 16.6398, 34.7677
YIQ	98.0310, 62.8910, 77.2190

Conversions

Conversions Part 2

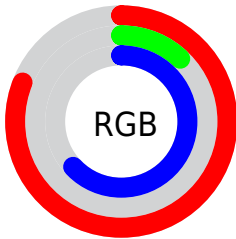
Format	Color
R_{YB}	206, 31, 160
Decimal	13508512
CIE _{Lab}	47.80, 73.87, -26.69
CIE _{LCh}	48, 78.541, 340.130
Yxy	16.6398, 0.3858, 0.1988
Android (android.graphics.Color)	4291698592 (0xFFCE1FA0)
YUV	98.0310, 30.5507, 94.6888
Hunter-Lab	40.7919, 69.9052, -21.9796

Details

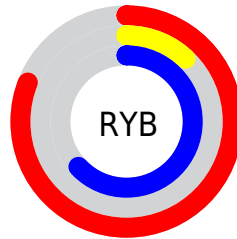
The XYZ color **32.2887, 16.6398, 34.7677** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **23.9770, 44.9703, 14.4403**, and the grayscale version is **11.5345, 12.1352, 13.2152**.

A 20% lighter version of the original color is **58.1594, 35.4737, 68.0717**, and **14.7394, 7.2858, 14.8168** is the 20% darker color. If you saturate the color by 10%, you get **31.4483, 15.7006, 32.2009**, and if you desaturate by 10%, it is **33.4940, 18.2754, 37.5581**.

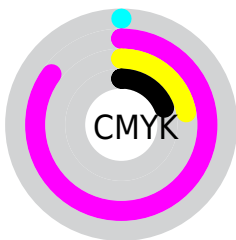
Distribution



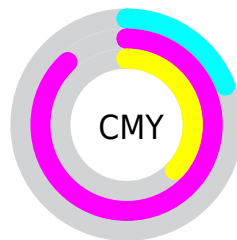
- Red (81%)
- Green (12%)
- Blue (63%)



- Red (81%)
- Yellow (12%)
- Blue (63%)



- Cyan (0%)
- Magenta (85%)
- Yellow (22%)
- Black (19%)





- Cyan (19%)
- Magenta (88%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2887, 16.6398, 34.7677 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 32.2887, 16.6398, 34.7677 by changing the saturation by 10% instead.


 32.2887, 16.6398,
34.7677


 32.2887, 16.6398,
34.7677


304.1543,
233.0880, 338.4148


 21.7387, 9.9780,
23.2019


 62.6255, 37.7054,
68.2732


 13.7806, 5.3844,
14.5359


 83.1431, 52.8780,
91.0500


 8.0489, 2.4745,
8.3514


 107.7140, 71.6564,
118.4008

 4.1783, 0.8638,
4.2296

 136.7034, 94.4249,
150.7443

 1.8035, 0.0000,
1.7521

 170.4768,
121.5679, 188.4988

 0.5198, 0.0000,
0.3961

 209.3995,

 0.0000, 0.0000,

153.4698, 232.0831

0.0000

253.8369,
190.5151, 281.9156

■ 32.2887, 16.6398,
34.7677

■ 32.2887, 16.6398,
34.7677

■ 31.4483, 15.7006,
32.2009

■ 33.4940, 18.2754,
37.5581

■ 31.1087, 15.3839,
30.9700

■ 35.1195, 20.7182,
40.5917

■ 37.2127, 24.0624,
43.8853

■ 39.8138, 28.3883,
47.4539

■ 42.9587, 33.7673,
51.3104

■ 46.6801, 40.2642,
55.4670

■ 51.0079, 47.9385,
59.9348

■ 55.9699, 56.8455,
64.7242

■ 61.5922, 67.0370,
69.8449

Harmonies

Analogous

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



26.2555, 16.6398, 66.9344



32.2887, 16.6398, 34.7677



33.2565, 16.6398, 12.1135

Triad

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



32.2887, 16.6398, 34.7677



13.5500, 16.6398, 0.3567



7.5528, 16.6398, 56.4062

Complementary

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



32.2887, 16.6398, 34.7677



23.9770, 44.9703, 14.4403

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.



5.8752, 16.6398, 25.8367



32.2887, 16.6398, 34.7677



8.5910, 16.6398, 1.6966

Square

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



32.2887, 16.6398, 34.7677



20.8827, 16.6398, 0.5980



6.1883, 16.6398, 7.8698



11.6426, 16.6398, 84.6074

Rectangle

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



32.2887, 16.6398, 34.7677



30.6684, 16.6398, 4.7853



6.1883, 16.6398, 7.8698



6.7525, 16.6398, 45.4136

Sweetspot

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



32.2893, 16.6407, 34.7680



75.3935, 64.8180, 89.6125



14.5140, 6.9232, 58.9641



15.6574, 13.0318, 18.6572



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.



32.2893, 16.6407, 34.7680



50.3134, 24.8894, 49.7100



27.2059, 14.6073, 7.9994



11.5567, 11.3514, 13.4663



19.1974, 9.4896, 19.2900



1.0205, 0.5016, 1.1539

Inverse Universe

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



32.2893, 16.6407, 34.7680



50.3134, 24.8894, 49.7100



29.1811, 47.0520, 41.8448



11.5567, 11.3514, 13.4663



19.1974, 9.4896, 19.2900



1.0205, 0.5016, 1.1539

Previews

White Background



This preview shows how the XYZ color 32.2887, 16.6398, 34.7677 looks on a white background.

Color Contrast Check

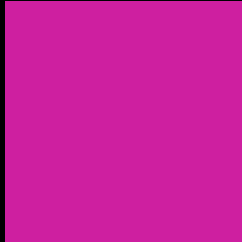
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2887, 16.6398, 34.7677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

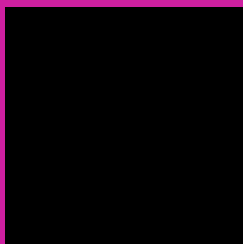
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.2887, 16.6398, 34.7677

Background



This preview shows how black text looks on a background with the XYZ color 32.2887, 16.6398, 34.7677.



This preview shows how white text looks on a background with the XYZ color 32.2887, 16.6398,

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

32.2887, 16.6398, 34.7677

Protanopia

20.1008, 17.2931, 70.6851

Deuteranopia

17.3540, 17.0764, 31.2356



Tritanopia

26.7900, 16.7442, 7.9509

Trichromacy



Original Color

32.2887, 16.6398, 34.7677



Protanomaly

19.3895, 13.2839, 55.5749



Deuteranomaly

20.0813, 14.2704, 32.2679



Tritanomaly

28.2220, 16.2884, 14.7532

Monochromacy



Original Color

32.2887, 16.6398, 34.7677



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

16.2165, 11.5964, 19.4728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2887, 16.6398, 34.7677 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(206, 31, 160)` looks like.

```
.text, #text, p{  
    color:rgb(206, 31, 160)  
}
```

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(206, 31, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 31, 160) }
```

Border

The CSS property to change the border of an element to XYZ 32.2887, 16.6398, 34.7677 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(206, 31, 160) }
```


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

```
.border{ border-color:rgb(206, 31, 160) }
```

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

Here you see how a box with a 4 pixel rgb(206, 31, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 31, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 31, 160);  
box-shadow:4px 4px 4px 4px rgb(206, 31,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2887, 16.6398, 34.7677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 31, 160) }
```

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

```
.background{ background-color: rgb(206, 31,  
160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor