

Converting Colors

XYZ(32.6368, 16.0620, 37.4565)

Have a look what the booklet for
XYZ(32.6368, 16.0620, 37.4565)
contains.

XYZ(32.6368, 16.0620, 37.4565)	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(32.6368, 16.0620,
37.4565)**

Conversions

Conversions Part 1

Format	Color
Hex	CF02A6
RGB	207, 2, 166
RGB Percent	81%, 1%, 65%
CMY	0.1882, 0.9920, 0.3490
CMYK	0.00, 0.99, 0.20, 0.19
HSL	312°, 98%, 41%
HSV	312°, 99%, 81%
XYZ	32.6368, 16.0620, 37.4565
YIQ	81.9910, 69.5360, 94.4640

Conversions

Conversions Part 2

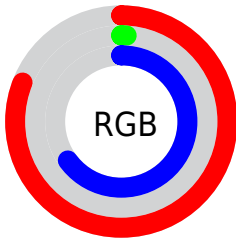
Format	Color
RYB	207, 2, 166
Decimal	13566630
CIELab	47.06, 78.34, -31.42
CIElCh	47, 84.402, 338.145
Yxy	16.0620, 0.3788, 0.1864
Android (android.graphics.Color)	4291756710 (0xFFCF02A6)
YUV	81.9910, 41.4164, 109.6329
Hunter-Lab	40.0774, 75.2249, -27.3584

Details

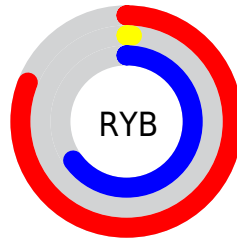
The XYZ color **32.6368, 16.0620, 37.4565** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **22.7751, 44.8138, 9.7384**, and the grayscale version is **7.9321, 8.3452, 9.0880**.

A 20% lighter version of the original color is **58.1183, 34.1348, 71.9321**, and **15.2500, 7.5108, 16.5656** is the 20% darker color. If you saturate the color by 10%, you get **32.5780, 16.0038, 37.2531**, and if you desaturate by 10%, it is **33.3025, 16.7754, 39.5829**.

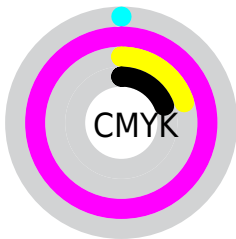
Distribution



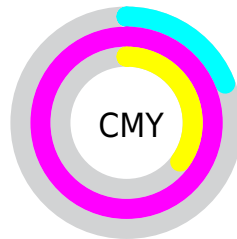
- Red (81%)
- Green (1%)
- Blue (65%)



- Red (81%)
- Yellow (1%)
- Blue (65%)



- Cyan (0%)
- Magenta (99%)
- Yellow (20%)
- Black (19%)





- Cyan (19%)
- Magenta (99%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6368, 16.0620, 37.4565 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 32.6368, 16.0620, 37.4565 by changing the saturation by 10% instead.


 32.6368, 16.0620,
37.4565


 32.6368, 16.0620,
37.4565


305.7040,
229.7073, 350.5107

 22.0063, 9.5680,
25.2626


 63.1665, 36.7058,
72.4685


 13.9781, 5.1135,
16.0520


 83.7965, 51.6244,
96.1236


 8.1871, 2.3140,
9.4062


 108.4902, 70.1201,
124.4363

 4.2677, 0.7811,
4.9067

 137.6132, 92.5771,
157.8249

 1.8547, 0.0000,
2.1348

 171.5307,
119.3800, 196.7082

 0.5503, 0.0000,
0.6364

 210.6080,

 0.0000, 0.0000,

150.9130, 241.5045

0.0000

255.2107,
187.5607, 292.6325

■ 32.6368, 16.0620,
37.4565

■ 32.6368, 16.0620,
37.4565

■ 32.5780, 16.0038,
37.2531

■ 33.3025, 16.7754,
39.5829

■ 34.2796, 18.0920,
41.8739

■ 35.6517, 20.1788,
44.3581

■ 37.4696, 23.1372,
47.0528

■ 39.7765, 27.0531,
49.9730

■ 42.6101, 32.0021,
53.1319

■ 46.0046, 38.0521,
56.5412

■ 49.9911, 45.2655,
60.2120

■ 54.5985, 53.6998,
64.1542

Harmonies

Analogous

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



25.8435, 16.0620, 73.0622



32.6368, 16.0620, 37.4565



34.1170, 16.0620, 12.3297

Triad

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



32.6368, 16.0620, 37.4565



13.3389, 16.0620, 0.0000



6.5905, 16.0620, 56.6386

Complementary

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



32.6368, 16.0620, 37.4565



22.7751, 44.8138, 9.7384

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.



5.0719, 16.0620, 23.9173



32.6368, 16.0620, 37.4565



8.0591, 16.0620, 1.0329

Square

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



32.6368, 16.0620, 37.4565



21.1967, 16.0620, 0.1954



5.5052, 16.0620, 6.2857



10.5604, 16.0620, 89.0760

Rectangle

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



32.6368, 16.0620, 37.4565



31.5547, 16.0620, 4.4526



5.5052, 16.0620, 6.2857



5.8461, 16.0620, 44.5968

Sweetspot

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



32.6374, 16.0628, 37.4568



72.9433, 59.5734, 89.8568



12.2821, 5.0634, 59.3619



15.1032, 11.8405, 18.7283



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.



32.6374, 16.0628, 37.4568



52.1380, 25.6192, 59.3182



26.6663, 13.6744, 6.0138



12.2052, 11.9668, 14.3565



20.5598, 10.0968, 23.6521



1.1760, 0.5751, 1.4615

Inverse Universe

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



32.6374, 16.0628, 37.4568



52.1380, 25.6192, 59.3182



27.4888, 46.6992, 34.5601



12.2052, 11.9668, 14.3565



20.5598, 10.0968, 23.6521



1.1760, 0.5751, 1.4615

Previews

White Background



This preview shows how the XYZ color 32.6368, 16.0620, 37.4565 looks on a white background.

Color Contrast Check

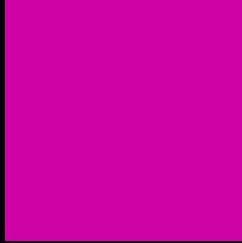
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.6368, 16.0620, 37.4565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

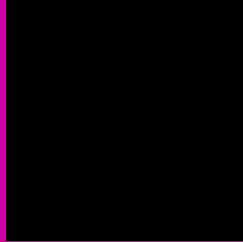
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.6368, 16.0620, 37.4565

Background



This preview shows how black text looks on a background with the XYZ color 32.6368, 16.0620, 37.4565.



This preview shows how white text looks on a background with the XYZ color 32.6368, 16.0620,

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

32.6368, 16.0620, 37.4565

Protanopia

20.1766, 16.8205, 79.2740

Deuteranopia

17.0505, 16.6980, 33.7769



Tritanopia

26.5177, 16.3524, 7.3889

Trichromacy



Original Color

32.6368, 16.0620, 37.4565



Protanomaly

16.6004, 10.4796, 61.4694



Deuteranomaly

19.3100, 12.6618, 34.6839



Tritanomaly

27.6838, 15.2120, 14.5738

Monochromacy



Original Color

32.6368, 16.0620, 37.4565



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.0061, 8.2505, 16.5298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6368, 16.0620, 37.4565 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(207, 2, 166)` looks like.

```
.text, #text, p{  
    color:rgb(207, 2, 166)  
}
```

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(207, 2, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 2, 166) }
```

Border

The CSS property to change the border of an element to XYZ 32.6368, 16.0620, 37.4565 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(207, 2, 166) }
```


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

```
.border{ border-color:rgb(207, 2, 166) }
```

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

Here you see how a box with a 4 pixel rgb(207, 2, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 2, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 2, 166);  
box-shadow:4px 4px 4px 4px rgb(207, 2,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6368, 16.0620, 37.4565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 2, 166) }
```

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

```
.background{ background-color: rgb(207, 2,  
166) }
```

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