

Converting Colors

XYZ(32.5259, 16.1983, 15.1769)

Have a look what the booklet for
XYZ(32.5259, 16.1983, 15.1769)
contains.

XYZ(32.7257, 16.5702, 15.1092)	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(32.7257, 16.5702,
15.1092)**

Conversions

Conversions Part 1

Format	Color
Hex	DE006A
RGB	222, 0, 106
RGB Percent	87%, 0%, 42%
CMY	0.1294, 0.9998, 0.5843
CMYK	0.00, 1.00, 0.52, 0.13
HSL	331°, 100%, 44%
HSV	331°, 100%, 87%
XYZ	32.7257, 16.5702, 15.1092
YIQ	78.4620, 98.2860, 80.0300

Conversions

Conversions Part 2

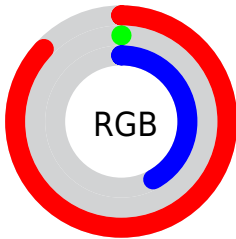
Format	Color
R_{YB}	222, 0, 106
Decimal	14549098
CIE _{Lab}	47.71, 75.82, 6.31
CIE _{LCh}	48, 76.078, 4.756
Yxy	16.5702, 0.5081, 0.2573
Android (android.graphics.Color)	4292739178 (0xFFDE006A)
YUV	78.4620, 13.5762, 125.8828
Hunter-Lab	40.7065, 72.2674, 6.4876

Details

The XYZ color **32.7257, 16.5702, 15.1092** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **29.2770, 53.5047, 25.3221**, and the grayscale version is **7.2961, 7.6760, 8.3592**.

A 20% lighter version of the original color is **51.1529, 31.3486, 35.2531**, and **15.2866, 7.7893, 4.8355** is the 20% darker color. If you saturate the color by 10%, you get **32.7243, 16.5696, 15.1023**, and if you desaturate by 10%, it is **33.6622, 17.4115, 18.6026**.

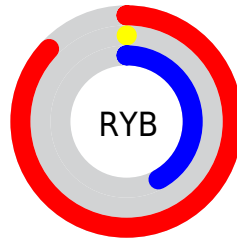
Distribution



Red (87%)

Green (0%)

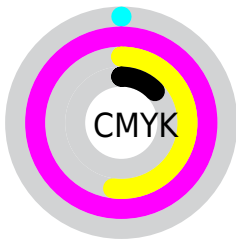
Blue (42%)



Red (87%)

Yellow (0%)

Blue (42%)

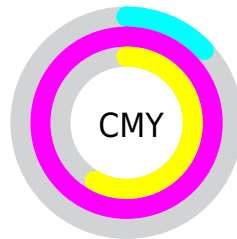


Cyan (0%)

Magenta (100%)

Yellow (52%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7257, 16.5702, 15.1092 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 32.7257, 16.5702, 15.1092 by changing the saturation by 10% instead.

 32.7257, 16.5702,
15.1092


 32.7257, 16.5702,
15.1092


306.0988,
232.6832, 235.6897


 22.0746, 9.9285,
8.7486


 63.3046, 37.5853,
35.7896


 14.0287, 5.3516,
4.4830


 83.9631, 52.7275,
50.9466


 8.2224, 2.4550,
1.8939


 108.6882, 71.4721,
69.8726

 4.2906, 0.8540,
0.4888

 137.8451, 94.2033,
92.9865

 1.8678, 0.0000,
0.0000

 171.7993,
121.3057, 120.7065

 0.5580, 0.0000,
0.0000

 210.9161,

 0.0000, 0.0000,

153.1635, 153.4514

0.0000

255.5608,
190.1612, 191.6396

■ 32.7257, 16.5702,
15.1092

■ 32.7257, 16.5702,
15.1092

■ 32.7243, 16.5696,
15.1023

■ 33.6622, 17.4115,
18.6026

■ 35.0177, 18.9549,
22.6535

■ 36.9038, 21.4196,
27.3137

■ 39.3850, 24.9296,
32.6183

■ 42.5158, 29.5898,
38.5985

■ 46.3441, 35.4921,
45.2830

■ 50.9132, 42.7190,
52.6981

■ 56.2625, 51.3458,
60.8688

■ 62.4288, 61.4421,
69.8183

Harmonies

Analogous

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



30.8026, 16.5702, 39.2155



32.7257, 16.5702, 15.1092



29.1364, 16.5702, 3.9990

Triad

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



32.7257, 16.5702, 15.1092



9.4041, 16.5702, 1.4445



10.8009, 16.5702, 77.6219

Complementary

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



32.7257, 16.5702, 15.1092



29.2770, 53.5047, 25.3221

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.



7.2576, 16.5702, 48.9595



32.7257, 16.5702, 15.1092



6.6292, 16.5702, 6.3124

Square

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



32.7257, 16.5702, 15.1092



14.6890, 16.5702, 0.4509



5.9753, 16.5702, 21.3320



16.8598, 16.5702, 87.1127

Rectangle

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



32.7257, 16.5702, 15.1092



24.5743, 16.5702, 1.4788



5.9753, 16.5702, 21.3320



9.3395, 16.5702, 69.2374

Sweetspot

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



32.7261, 16.5712, 15.1094



69.5282, 58.2074, 71.8730



20.2192, 8.9011, 69.7593



14.2882, 11.5145, 14.4363



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.



32.7261, 16.5712, 15.1094



44.7360, 22.6584, 20.3398



30.1650, 15.6110, 1.4248



13.9783, 13.8090, 15.6561



19.4931, 9.8643, 9.2625



1.3962, 0.7018, 0.8792

Inverse Universe

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



32.7261, 16.5712, 15.1094



44.7360, 22.6584, 20.3398



38.3347, 55.5730, 77.8131



13.9783, 13.8090, 15.6561



19.4931, 9.8643, 9.2625



1.3962, 0.7018, 0.8792

Previews

White Background



This preview shows how the XYZ color 32.7257, 16.5702, 15.1092 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 32.7257, 16.5702, 15.1092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

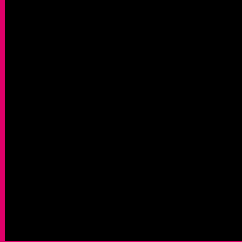
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.7257, 16.5702, 15.1092

Background



This preview shows how black text looks on a background with the XYZ color 32.7257, 16.5702, 15.1092.



This preview shows how white text looks on a background with the XYZ color 32.7257, 16.5702,

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

32.7257, 16.5702, 15.1092

Protanopia

17.4760, 17.2776, 32.5508

Deuteranopia

17.5150, 17.2185, 13.7096



Tritanopia

30.4593, 16.8832, 3.8439

Trichromacy



Original Color

32.7257, 16.5702, 15.1092



Protanomaly

18.8591, 12.7457, 24.7587



Deuteranomaly

20.0705, 13.4259, 13.5902



Tritanomaly

30.8613, 16.3812, 6.5363

Monochromacy



Original Color

32.7257, 16.5702, 15.1092



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.1080, 7.7316, 10.0867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7257, 16.5702, 15.1092 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(222, 0, 106)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 106)  
}
```

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(222, 0, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 106) }
```

Border

The CSS property to change the border of an element to XYZ 32.7257, 16.5702, 15.1092 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(222, 0, 106) }
```


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

```
.border{ border-color:rgb(222, 0, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 0, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7257, 16.5702, 15.1092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 106) }
```

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

```
.background{ background-color: rgb(222, 0,  
106) }
```

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