

Converting Colors

XYZ(32.3941, 16.7470, 16.8373)

Have a look what the booklet for
XYZ(32.3941, 16.7470, 16.8373)
contains.

XYZ(32.4062, 16.7663, 16.8574)	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(32.4062, 16.7663,
16.8574)**

Conversions

Conversions Part 1

Format	Color
Hex	DB1570
RGB	219, 21, 112
RGB Percent	86%, 8%, 44%
CMY	0.1412, 0.9175, 0.5608
CMYK	0.00, 0.90, 0.49, 0.14
HSL	332°, 82%, 47%
HSV	332°, 90%, 86%
XYZ	32.4062, 16.7663, 16.8574
YIQ	90.5760, 88.7970, 70.2770

Conversions

Conversions Part 2

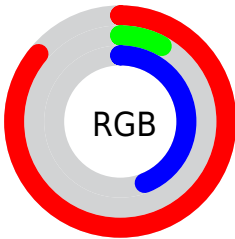
Format	Color
R_{YB}	219, 21, 112
Decimal	14357872
CIE _{Lab}	47.96, 73.59, 2.89
CIE _{LCh}	48, 73.650, 2.249
Yxy	16.7663, 0.4908, 0.2539
Android (android.graphics.Color)	4292547952 (0xFFDB1570)
YUV	90.5760, 10.5620, 112.6278
Hunter-Lab	40.9467, 69.6126, 4.2535

Details

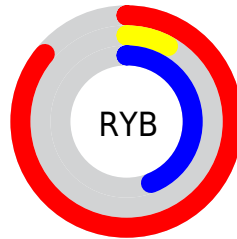
The XYZ color **32.4062, 16.7663, 16.8574** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **29.5395, 52.3819, 28.9860**, and the grayscale version is **9.8142, 10.3253, 11.2443**.

A 20% lighter version of the original color is **52.1256, 32.4537, 38.1672**, and **14.8588, 7.5498, 5.6751** is the 20% darker color. If you saturate the color by 10%, you get **31.5443, 15.9924, 13.6423**, and if you desaturate by 10%, it is **33.7024, 18.2338, 20.7578**.

Distribution



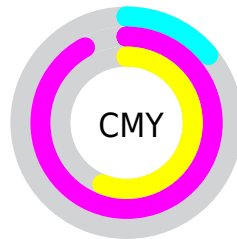
- Red (86%)
- Green (8%)
- Blue (44%)



- Red (86%)
- Yellow (8%)
- Blue (44%)



- Cyan (0%)
- Magenta (90%)
- Yellow (49%)
- Black (14%)





- Cyan (14%)
- Magenta (92%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4062, 16.7663, 16.8574 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 32.4062, 16.7663, 16.8574 by changing the saturation by 10% instead.


 32.4062, 16.7663,
16.8574


 32.4062, 16.7663,
16.8574


304.6780,
233.8220, 246.3653


 21.8290, 10.0680,
9.9720


 62.8082, 37.9235,
38.8677


 13.8472, 5.4441,
5.2750


 83.3638, 53.1513,
54.8297


 8.0955, 2.5101,
2.3480


 107.9762, 71.9909,
74.6543

 4.2084, 0.8817,
0.7579

 137.0108, 94.8269,
98.7601

 1.8207, 0.0000,
0.0000

 170.8329,
122.0436, 127.5655

 0.5301, 0.0000,
0.0000

 209.8079,

 0.0000, 0.0000,

154.0254, 161.4892

0.0000

254.3011,
191.1568, 200.9496

■ 32.4062, 16.7663,
16.8574

■ 32.4062, 16.7663,
16.8574

■ 31.5443, 15.9924,
13.6423

■ 33.7024, 18.2338,
20.7578

■ 35.5146, 20.5894,
25.2733

■ 37.9062, 23.9553,
30.4400

■ 40.9306, 28.4337,
36.2897

■ 44.6347, 34.1138,
42.8517

■ 49.0607, 41.0759,
50.1531

■ 54.2472, 49.3933,
58.2193

■ 60.2300, 59.1335,
67.0742

■ 67.0426, 70.3597,
76.7407

Harmonies

Analogous

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



30.1203, 16.7663, 41.1303



32.4062, 16.7663, 16.8574



29.3605, 16.7663, 4.8678

Triad

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



32.4062, 16.7663, 16.8574



10.0465, 16.7663, 1.5047



10.6984, 16.7663, 73.5225

Complementary

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



32.4062, 16.7663, 16.8574



29.5395, 52.3819, 28.9860

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.



7.3915, 16.7663, 45.5532



32.4062, 16.7663, 16.8574



7.0952, 16.7663, 5.9723

Square

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



32.4062, 16.7663, 16.8574



15.4398, 16.7663, 0.6365



6.2780, 16.7663, 19.7292



16.4424, 16.7663, 84.6151

Rectangle

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



32.4062, 16.7663, 16.8574



25.1029, 16.7663, 1.9192



6.2780, 16.7663, 19.7292



9.3262, 16.7663, 65.1330

Sweetspot

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



32.4066, 16.7673, 16.8577



71.4576, 61.4919, 74.2870



21.7498, 10.1343, 67.8273



14.7839, 12.3476, 15.0898



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.



32.4066, 16.7673, 16.8577



44.4613, 22.5485, 18.8930



29.7554, 15.9273, 2.2169



13.3037, 13.1506, 14.8603



18.7583, 9.5044, 8.3734



1.2584, 0.6330, 0.7698

Inverse Universe

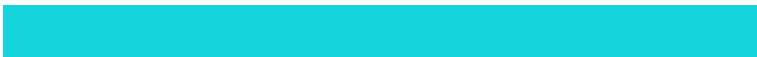
The Inverse Universe completely reimagines the original color for something new.



32.4066, 16.7673, 16.8577



44.4613, 22.5485, 18.8930



36.7398, 52.5617, 75.2266



13.3037, 13.1506, 14.8603



18.7583, 9.5044, 8.3734



1.2584, 0.6330, 0.7698

Previews

White Background



This preview shows how the XYZ color 32.4062, 16.7663, 16.8574 looks on a white background.

Color Contrast Check

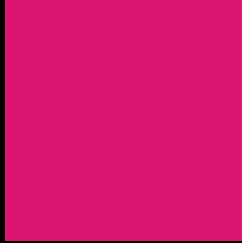
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.4062, 16.7663, 16.8574 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 32.4062, 16.7663, 16.8574

Background



This preview shows how black text looks on a background with the XYZ color 32.4062, 16.7663, 16.8574.



This preview shows how white text looks on a background with the XYZ color 32.4062, 16.7663,

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

32.4062, 16.7663, 16.8574

Protanopia

17.6171, 17.1150, 35.6327

Deuteranopia

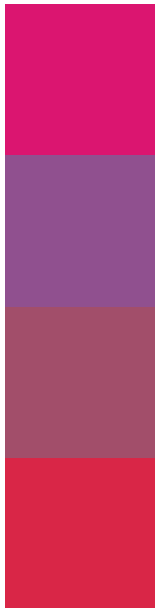
17.3385, 17.0940, 15.2176



Tritanopia

29.9094, 16.9262, 4.4870

Trichromacy



Original Color

32.4062, 16.7663, 16.8574

Protanomaly

19.3282, 13.6498, 27.6026

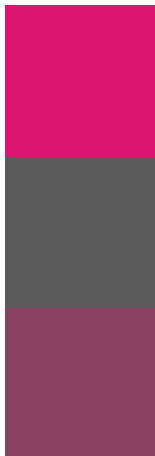
Deuteranomaly

20.2262, 14.1708, 15.3049

Tritanomaly

30.4457, 16.5929, 7.5593

Monochromacy



Original Color

32.4062, 16.7663, 16.8574

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

14.6816, 10.2006, 12.9995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4062, 16.7663, 16.8574 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(219, 21, 112)` looks like.

```
.text, #text, p{  
    color:rgb(219, 21, 112)  
}
```

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(219, 21, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 21, 112) }
```

Border

The CSS property to change the border of an element to XYZ 32.4062, 16.7663, 16.8574 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(219, 21, 112) }
```


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

```
.border{ border-color:rgb(219, 21, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 21, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 21, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 21, 112);  
box-shadow:4px 4px 4px 4px rgb(219, 21,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4062, 16.7663, 16.8574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 21, 112) }
```

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

```
.background{ background-color: rgb(219, 21,  
112) }
```

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