

Converting Colors

XYZ(31.3199, 17.2008, 15.9937)

Have a look what the booklet for
XYZ(31.3199, 17.2008, 15.9937)
contains.

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Color

**XYZ(31.3767, 17.2556,
15.8643)**

Conversions

Conversions Part 1

Format	Color
Hex	D62D6C
RGB	214, 45, 108
RGB Percent	84%, 18%, 42%
CMY	0.1608, 0.8235, 0.5765
CMYK	0.00, 0.79, 0.50, 0.16
HSL	338°, 67%, 51%
HSV	338°, 79%, 84%
XYZ	31.3767, 17.2556, 15.8643
YIQ	102.7130, 80.5010, 55.4210

Conversions

Conversions Part 2

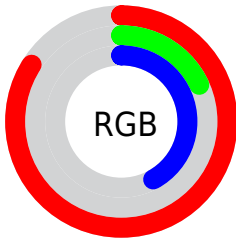
Format	Color
R_{YB}	214, 45, 108
Decimal	14036332
CIE Lab	48.58, 67.20, 6.11
CIE LCh	49, 67.475, 5.191
Yxy	17.2556, 0.4865, 0.2675
Android (android.graphics.Color)	4292226412 (0xFFD62D6C)
YUV	102.7130, 2.6065, 97.5987
Hunter-Lab	41.5399, 62.1334, 6.4347

Details

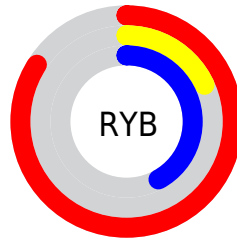
The XYZ color **31.3767, 17.2556, 15.8643** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed rose. A complement of this color would be **30.7162, 50.8859, 37.4865**, and the grayscale version is **12.7964, 13.4628, 14.6610**.

A 20% lighter version of the original color is **52.8606, 34.4883, 36.6717**, and **13.9792, 7.1092, 5.0503** is the 20% darker color. If you saturate the color by 10%, you get **30.0966, 15.7521, 12.1801**, and if you desaturate by 10%, it is **33.1812, 19.6319, 20.2662**.

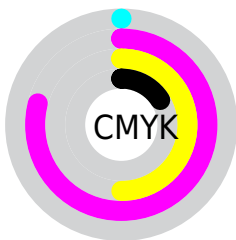
Distribution



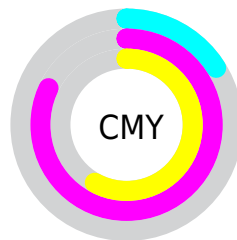
- Red (84%)
- Green (18%)
- Blue (42%)



- Red (84%)
- Yellow (18%)
- Blue (42%)



- Cyan (0%)
- Magenta (79%)
- Yellow (50%)
- Black (16%)





- Cyan (16%)
- Magenta (82%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3767, 17.2556, 15.8643 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 31.3767, 17.2556, 15.8643 by changing the saturation by 10% instead.


 31.3767, 17.2556,
15.8643


 31.3767, 17.2556,
15.8643


300.0660,
236.6410, 240.3580


 21.0391, 10.4169,
9.2749


 61.2045, 38.7647,
37.1260


 13.2652, 5.6762,
4.8216


 81.4254, 54.2039,
52.6353


 7.6897, 2.6492,
2.0861


 105.6714, 73.2788,
71.9550

 3.9472, 0.9515,
0.6075

 134.3079, 96.3736,
95.5036

 1.6723, 0.0000,
0.0000

 167.7003,
123.8729, 123.6996

 0.4388, 0.0000,
0.0000

206.2138,

 0.0000, 0.0000,

156.1609, 156.9617

0.0000

250.2140,
193.6222, 195.7083

■ 31.3767, 17.2556,
15.8643

■ 31.3767, 17.2556,
15.8643

■ 30.0966, 15.7521,
12.1801

■ 33.1812, 19.6319,
20.2662

■ 29.2465, 14.9405,
9.1572

■ 35.5683, 22.9899,
25.4282

■ 29.1708, 14.8718,
8.8771

■ 38.5896, 27.4256,
31.3893

■ 42.2903, 33.0227,
38.1852

■ 46.7113, 39.8566,
45.8492

■ 51.8899, 47.9961,
54.4127

■ 57.8612, 57.5052,
63.9051

■ 64.6576, 68.4433,
74.3548

■ 72.3100, 80.8667,
85.7885

Harmonies

Analogous

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



29.7836, 17.2556, 37.0735



31.3767, 17.2556, 15.8643



28.2061, 17.2556, 5.1779

Triad

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



31.3767, 17.2556, 15.8643



10.4430, 17.2556, 2.4163



11.8883, 17.2556, 69.9750

Complementary

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



31.3767, 17.2556, 15.8643



30.7162, 50.8859, 37.4865

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.



8.4574, 17.2556, 46.1483



31.3767, 17.2556, 15.8643



7.7823, 17.2556, 7.7917

Square

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



31.3767, 17.2556, 15.8643



15.3453, 17.2556, 1.1711



7.1598, 17.2556, 22.0514



17.5039, 17.2556, 77.4647

Rectangle

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



31.3767, 17.2556, 15.8643



24.1946, 17.2556, 2.3831



7.1598, 17.2556, 22.0514



10.4913, 17.2556, 63.1017

Sweetspot

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



31.3772, 17.2566, 15.8646



72.9612, 64.7442, 74.0323



25.5113, 13.1432, 64.8104



15.0420, 12.9575, 14.8868



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.



31.3772, 17.2566, 15.8646



43.8312, 22.5217, 14.8808



30.0801, 18.2351, 4.4183



12.6128, 12.4966, 13.9011



17.6783, 9.0076, 5.6100



1.1057, 0.5591, 0.5461

Inverse Universe

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



31.3772, 17.2566, 15.8646



43.8312, 22.5217, 14.8808



32.5755, 44.1236, 70.4179



12.6128, 12.4966, 13.9011



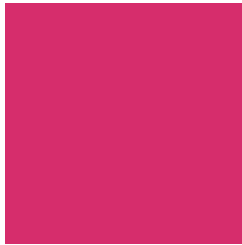
17.6783, 9.0076, 5.6100



1.1057, 0.5591, 0.5461

Previews

White Background



This preview shows how the XYZ color 31.3767, 17.2556, 15.8643 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 31.3767, 17.2556, 15.8643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

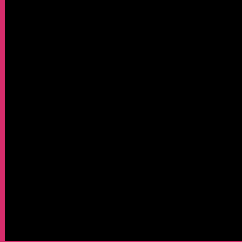
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.3767, 17.2556, 15.8643

Background



This preview shows how black text looks on a background with the XYZ color 31.3767, 17.2556, 15.8643.



This preview shows how white text looks on a background with the XYZ color 31.3767, 17.2556,

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

31.3767, 17.2556, 15.8643

Protanopia

17.5034, 17.5249, 29.6543

Deuteranopia

17.7673, 17.4950, 14.4970



Tritanopia

29.4800, 17.3494, 6.0700

Trichromacy



Original Color

31.3767, 17.2556, 15.8643

Protanomaly

19.8536, 15.1813, 23.7137

Deuteranomaly

20.8382, 15.6401, 14.7525

Tritanomaly

30.0532, 17.2282, 8.7626

Monochromacy



Original Color

31.3767, 17.2556, 15.8643

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

16.8948, 12.8941, 14.9630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3767, 17.2556, 15.8643 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(214, 45, 108)` looks like.

```
.text, #text, p{  
    color:rgb(214, 45, 108)  
}
```

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(214, 45, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 45, 108) }
```

Border

The CSS property to change the border of an element to XYZ 31.3767, 17.2556, 15.8643 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(214, 45, 108) }
```


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

```
.border{ border-color:rgb(214, 45, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 45, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 45, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 45, 108);  
box-shadow:4px 4px 4px 4px rgb(214, 45,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3767, 17.2556, 15.8643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 45, 108) }
```

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

```
.background{ background-color: rgb(214, 45,  
108) }
```

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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