

Converting Colors

XYZ(32.2832, 18.4802, 31.7411)

Have a look what the booklet for
XYZ(32.2832, 18.4802, 31.7411)
contains.

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Color

**XYZ(32.2381, 18.4419,
31.5663)**

Conversions

Conversions Part 1

Format	Color
Hex	CC3D98
RGB	204, 61, 152
RGB Percent	80%, 24%, 60%
CMY	0.2000, 0.7607, 0.4039
CMYK	0.00, 0.70, 0.25, 0.20
HSL	322°, 58%, 52%
HSV	322°, 70%, 80%
XYZ	32.2381, 18.4419, 31.5663
YIQ	114.1310, 56.0170, 58.6170

Conversions

Conversions Part 2

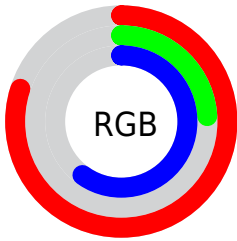
Format	Color
R_{YB}	204, 61, 152
Decimal	13385112
CIE _{Lab}	50.03, 64.09, -18.53
CIE _{LCh}	50, 66.718, 343.877
Yxy	18.4419, 0.3920, 0.2242
Android (android.graphics.Color)	4291575192 (0xFFCC3D98)
YUV	114.1310, 18.6694, 78.8151
Hunter-Lab	42.9440, 58.8480, -13.5207

Details

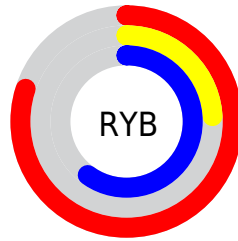
The XYZ color **32.2381, 18.4419, 31.5663** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **26.4991, 45.3707, 22.9861**, and the grayscale version is **15.9686, 16.8002, 18.2955**.

A 20% lighter version of the original color is **58.9774, 38.9099, 62.7944**, and **14.2030, 7.0506, 12.9242** is the 20% darker color. If you saturate the color by 10%, you get **30.7600, 16.4278, 28.1690**, and if you desaturate by 10%, it is **34.1693, 21.3010, 35.3025**.

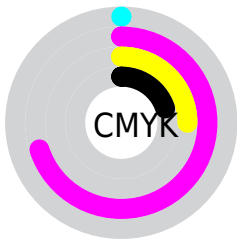
Distribution



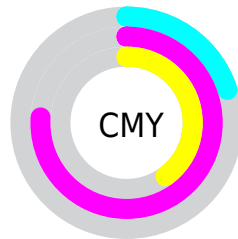
- Red (80%)
- Green (24%)
- Blue (60%)



- Red (80%)
- Yellow (24%)
- Blue (60%)



- Cyan (0%)
- Magenta (70%)
- Yellow (25%)
- Black (20%)



- Cyan (20%)
- Magenta (76%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2381, 18.4419, 31.5663 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 32.2381, 18.4419, 31.5663 by changing the saturation by 10% instead.

32.2381, 18.4419,
31.5663

32.2381, 18.4419,
31.5663

303.9285,
243.3502, 323.5705

21.6999, 11.2677,
20.7684

62.5468, 40.7889,
63.2206

13.7519, 6.2472,
12.7652

83.0481, 56.7305,
84.9140

8.0288, 2.9960,
7.1382

107.6010, 76.3633,
111.0763

4.1654, 1.1296,
3.4690

136.5709,
100.0718, 142.1261

1.7961, 0.0031,
1.3388

170.3233,
128.2403, 178.4818

0.5153, 0.0000,
0.0933

209.2235,

0.0000, 0.0000,

161.2533, 220.5621

0.0000

253.6367,
199.4951, 268.7855

■ 32.2381, 18.4419,
31.5663

■ 32.2381, 18.4419,
31.5663

■ 30.7600, 16.4278,
28.1690

■ 34.1693, 21.3010,
35.3025

■ 29.6829, 15.1560,
25.0893

■ 36.5946, 25.0866,
39.3941

■ 28.9187, 14.4441,
22.3176

■ 39.5521, 29.8738,
43.8571

■ 43.0757, 35.7291,
48.7061

■ 47.1962, 42.7132,
53.9543

■ 51.9421, 50.8822,
59.6143

■ 57.3402, 60.2887,
65.6979

■ 63.4155, 70.9819,
72.2164

■ 70.1918, 83.0082,
79.1805

Harmonies

Analogous

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



27.5362, 18.4419, 57.7932



32.2381, 18.4419, 31.5663



32.4262, 18.4419, 12.7471

Triad

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



32.2381, 18.4419, 31.5663



14.7350, 18.4419, 1.6082



10.0595, 18.4419, 55.8359

Complementary

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



32.2381, 18.4419, 31.5663



26.4991, 45.3707, 22.9861

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.



8.0779, 18.4419, 29.7934



32.2381, 18.4419, 31.5663



10.2973, 18.4419, 3.8684

Square

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



32.2381, 18.4419, 31.5663



21.1795, 18.4419, 1.6756



8.1528, 18.4419, 11.7851



14.3232, 18.4419, 76.6746

Rectangle

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



32.2381, 18.4419, 31.5663



29.8842, 18.4419, 6.1296



8.1528, 18.4419, 11.7851



9.1566, 18.4419, 46.8881

Sweetspot

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



32.2387, 18.4429, 31.5666



77.3033, 69.2720, 88.2929



19.1309, 11.0812, 58.2575



16.1229, 14.1068, 18.3682



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.



32.2387, 18.4429, 31.5666



49.9723, 26.0106, 44.0364



28.1116, 16.7920, 9.8338



11.5077, 11.3318, 13.2081



18.2478, 9.1097, 14.2892



0.9770, 0.4842, 0.9248

Inverse Universe

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



32.2387, 18.4429, 31.5666



49.9723, 26.0106, 44.0364



32.0186, 47.5785, 52.0514



11.5077, 11.3318, 13.2081



18.2478, 9.1097, 14.2892



0.9770, 0.4842, 0.9248

Previews

White Background



This preview shows how the XYZ color 32.2381, 18.4419, 31.5663 looks on a white background.

Color Contrast Check

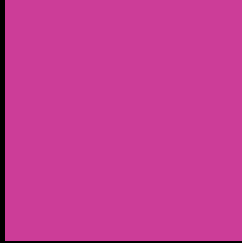
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.2381, 18.4419, 31.5663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

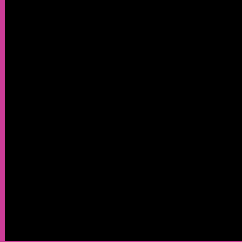
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.2381, 18.4419, 31.5663

Background



This preview shows how black text looks on a background with the XYZ color 32.2381, 18.4419, 31.5663.



This preview shows how white text looks on a background with the XYZ color 32.2381, 18.4419,

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

32.2381, 18.4419, 31.5663

Protanopia

20.2187, 18.7415, 53.5908

Deuteranopia

19.0031, 18.6581, 28.9854



Tritanopia

27.7971, 18.3990, 10.6806

Trichromacy



Original Color

32.2381, 18.4419, 31.5663



Protanomaly

21.7715, 16.6294, 44.7101



Deuteranomaly

22.1188, 17.1400, 29.7463



Tritanomaly

28.9623, 18.1486, 16.4445

Monochromacy



Original Color

32.2381, 18.4419, 31.5663



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

20.0211, 15.9460, 22.4447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2381, 18.4419, 31.5663 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(204, 61, 152)` looks like.

```
.text, #text, p{  
    color:rgb(204, 61, 152)  
}
```

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(204, 61, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 61, 152) }
```

Border

The CSS property to change the border of an element to XYZ 32.2381, 18.4419, 31.5663 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(204, 61, 152) }
```


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

```
.border{ border-color:rgb(204, 61, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 61, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 61, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 61, 152);  
box-shadow:4px 4px 4px 4px rgb(204, 61,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2381, 18.4419, 31.5663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 61, 152) }
```

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

```
.background{ background-color: rgb(204, 61,  
152) }
```

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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