

Converting Colors

XYZ(30.3242, 18.0583, 23.5647)

Have a look what the booklet for
XYZ(30.3242, 18.0583, 23.5647)
contains.

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Color

**XYZ(30.4702, 18.1189,
23.7211)**

Conversions

Conversions Part 1

Format	Color
Hex	CA4284
RGB	202, 66, 132
RGB Percent	79%, 26%, 52%
CMY	0.2078, 0.7411, 0.4824
CMYK	0.00, 0.67, 0.35, 0.21
HSL	331°, 56%, 53%
HSV	331°, 67%, 79%
XYZ	30.4702, 18.1189, 23.7211
YIQ	114.1880, 59.8700, 49.3580

Conversions

Conversions Part 2

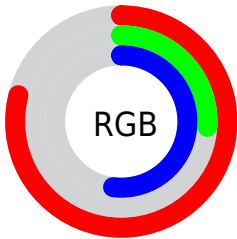
Format	Color
R_{YB}	202, 66, 132
Decimal	13255300
CIE _{Lab}	49.64, 59.27, -7.17
CIE _{LCh}	50, 59.703, 353.102
Yxy	18.1189, 0.4214, 0.2506
Android (android.graphics.Color)	4291445380 (0xFFCA4284)
YUV	114.1880, 8.7813, 77.0111
Hunter-Lab	42.5663, 53.2845, -3.2444

Details

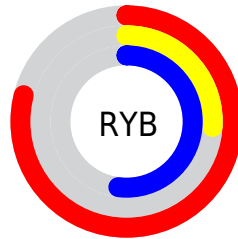
The XYZ color **30.4702, 18.1189, 23.7211** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **27.8123, 45.1775, 30.5496**, and the grayscale version is **16.0134, 16.8473, 18.3467**.

A 20% lighter version of the original color is **57.0799, 38.9287, 50.4045**, and **13.0629, 6.5538, 8.7601** is the 20% darker color. If you saturate the color by 10%, you get **28.8150, 15.8909, 19.8321**, and if you desaturate by 10%, it is **32.6140, 21.2103, 28.1232**.

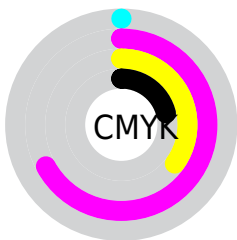
Distribution



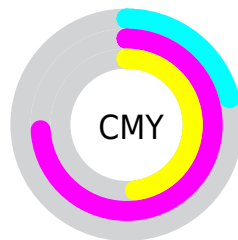
- Red (79%)
- Green (26%)
- Blue (52%)



- Red (79%)
- Yellow (26%)
- Blue (52%)



- Cyan (0%)
- Magenta (67%)
- Yellow (35%)
- Black (21%)





- Cyan (21%)
- Magenta (74%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4702, 18.1189, 23.7211 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 30.4702, 18.1189, 23.7211 by changing the saturation by 10% instead.


 30.4702, 18.1189,
23.7211


 30.4702, 18.1189,
23.7211


295.9607,
241.5404, 284.6484


 20.3456, 11.0354,
14.9166


 59.7865, 40.2398,
50.5128


 12.7562, 6.0906,
8.6149


 79.7089, 56.0460,
69.3371


 7.3367, 2.9003,
4.3975


 103.6280, 75.5286,
92.3383

 3.7218, 1.0799,
1.8458

 131.9091, 99.0719,
119.9351

 1.5460, 0.0000,
0.4579

 164.9176,
127.0603, 152.5460

 0.3568, 0.0000,
0.0000

203.0188,

 0.0000, 0.0000,

159.8783, 190.5895

0.0000

246.5780,
197.9102, 234.4841

■ 30.4702, 18.1189,
23.7211

■ 30.4702, 18.1189,
23.7211

■ 28.8150, 15.8909,
19.8321

■ 32.6140, 21.2103,
28.1232

■ 27.5985, 14.4303,
16.4289

■ 35.2862, 25.2420,
33.0610

■ 26.7554, 13.6098,
13.4793

■ 38.5242, 30.2855,
38.5564

■ 26.5629, 13.4389,
12.7552

■ 42.3612, 36.4043,
44.6296

■ 46.8278, 43.6571,
51.2996

■ 51.9526, 52.0979,
58.5843

■ 57.7623, 61.7774,
66.5006

■ 64.2819, 72.7435,
75.0651

■ 71.5353, 85.0412,
84.2932

Harmonies

Analogous

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



27.4938, 18.1189, 45.0386



30.4702, 18.1189, 23.7211



29.3215, 18.1189, 9.8386

Triad

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



30.4702, 18.1189, 23.7211



13.2883, 18.1189, 2.6910



11.4702, 18.1189, 56.7121

Complementary

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



30.4702, 18.1189, 23.7211



27.8123, 45.1775, 30.5496

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.



9.0141, 18.1189, 34.6897



30.4702, 18.1189, 23.7211



9.8916, 18.1189, 6.2931

Square

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



30.4702, 18.1189, 23.7211



18.5644, 18.1189, 2.1315



8.5074, 18.1189, 16.2109



15.9450, 18.1189, 69.7924

Rectangle

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



30.4702, 18.1189, 23.7211



26.4709, 18.1189, 5.1604



8.5074, 18.1189, 16.2109



10.4249, 18.1189, 49.6769

Sweetspot

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



30.4707, 18.1199, 23.7214



76.9406, 70.0888, 83.4181



22.4415, 13.2303, 57.2481



16.0032, 14.2457, 17.1623



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.



30.4707, 18.1199, 23.7214



47.7149, 25.5707, 30.7216



27.2894, 16.8473, 6.9690



11.4353, 11.3029, 12.8271



17.1375, 8.6656, 8.4429



0.9224, 0.4624, 0.6373

Inverse Universe

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



30.4707, 18.1199, 23.7214



47.7149, 25.5707, 30.7216



34.0286, 47.6639, 63.2838



11.4353, 11.3029, 12.8271



17.1375, 8.6656, 8.4429



0.9224, 0.4624, 0.6373

Previews

White Background



This preview shows how the XYZ color 30.4702, 18.1189, 23.7211 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 30.4702, 18.1189, 23.7211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

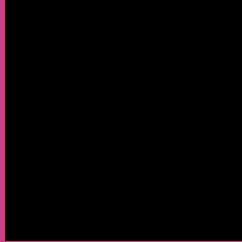
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.4702, 18.1189, 23.7211

Background



This preview shows how black text looks on a background with the XYZ color 30.4702, 18.1189, 23.7211.



This preview shows how white text looks on a background with the XYZ color 30.4702, 18.1189,

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

30.4702, 18.1189, 23.7211

Protanopia

18.9531, 18.4188, 38.6326

Deuteranopia

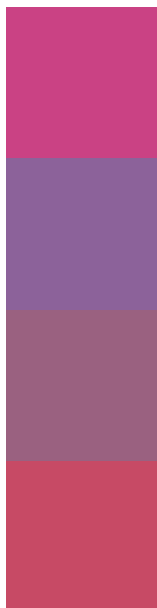
18.5848, 18.2542, 21.9459



Tritanopia

27.5744, 18.0791, 10.2199

Trichromacy



Original Color

30.4702, 18.1189, 23.7211

Protanomaly

21.0156, 16.6439, 32.6768

Deuteranomaly

21.4974, 16.9779, 22.5661

Tritanomaly

28.3509, 17.9793, 14.2880

Monochromacy



Original Color

30.4702, 18.1189, 23.7211

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

19.5799, 16.0409, 20.1534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4702, 18.1189, 23.7211 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(202, 66, 132)` looks like.

```
.text, #text, p{  
    color:rgb(202, 66, 132)  
}
```

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(202, 66, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 66, 132) }
```

Border

The CSS property to change the border of an element to XYZ 30.4702, 18.1189, 23.7211 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(202, 66, 132) }
```


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

```
.border{ border-color:rgb(202, 66, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 66, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 66, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 66, 132);  
box-shadow:4px 4px 4px 4px rgb(202, 66,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4702, 18.1189, 23.7211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 66, 132) }
```

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

```
.background{ background-color: rgb(202, 66,  
132) }
```

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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