

Converting Colors

XYZ(30.8837, 18.0780, 26.0667)

Have a look what the booklet for
XYZ(30.8837, 18.0780, 26.0667)
contains.

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Color

**XYZ(30.7780, 18.0583,
25.9082)**

Conversions

Conversions Part 1

Format	Color
Hex	CA408A
RGB	202, 64, 138
RGB Percent	79%, 25%, 54%
CMY	0.2078, 0.7490, 0.4588
CMYK	0.00, 0.68, 0.32, 0.21
HSL	328°, 57%, 52%
HSV	328°, 68%, 79%
XYZ	30.7780, 18.0583, 25.9082
YIQ	113.6980, 58.4940, 52.2700

Conversions

Conversions Part 2

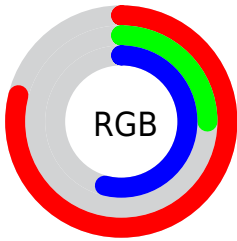
Format	Color
R _Y B	202, 64, 138
Decimal	13254794
CIE Lab	49.57, 60.73, -10.89
CIE LCh	50, 61.703, 349.837
Yxy	18.0583, 0.4118, 0.2416
Android (android.graphics.Color)	4291444874 (0xFFCA408A)
YUV	113.6980, 11.9809, 77.4409
Hunter-Lab	42.4951, 54.9163, -6.4011

Details

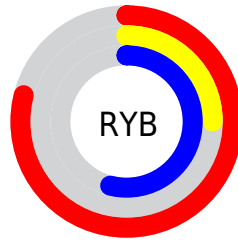
The XYZ color **30.7780, 18.0583, 25.9082** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **27.1322, 44.8902, 27.6593**, and the grayscale version is **15.8578, 16.6837, 18.1685**.

A 20% lighter version of the original color is **57.4813, 38.6963, 53.7298**, and **13.2631, 6.6339, 9.8139** is the 20% darker color. If you saturate the color by 10%, you get **29.1888, 15.9189, 22.1751**, and if you desaturate by 10%, it is **32.8392, 21.0477, 30.0877**.

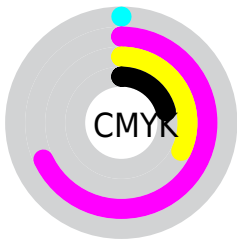
Distribution



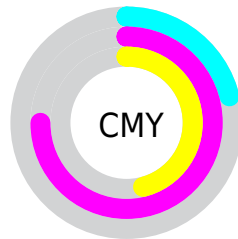
- Red (79%)
- Green (25%)
- Blue (54%)



- Red (79%)
- Yellow (25%)
- Blue (54%)



- Cyan (0%)
- Magenta (68%)
- Yellow (32%)
- Black (21%)





- Cyan (21%)
- Magenta (75%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7780, 18.0583, 25.9082 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 30.7780, 18.0583, 25.9082 by changing the saturation by 10% instead.


 30.7780, 18.0583,
25.9082


 30.7780, 18.0583,
25.9082

297.3594,
241.1994, 295.9223


 20.5809, 10.9919,
16.5298

 60.2686, 40.1366,
54.1091

 12.9287, 6.0614,
9.7414


 80.2928, 55.9173,
73.7687


 7.4561, 2.8824,
5.1245


 104.3233, 75.3715,
97.6924

 3.7978, 1.0707,
2.2605

 132.7257, 98.8837,
126.2988

 1.5884, 0.0000,
0.7090

 165.8651,
126.8382, 160.0065

 0.3848, 0.0000,
0.0000

204.1069,

 0.0000, 0.0000,

159.6193, 199.2339

0.0000

247.8166,
197.6116, 244.3997

■ 30.7780, 18.0583,
25.9082

■ 30.7780, 18.0583,
25.9082

■ 29.1888, 15.9189,
22.1751

■ 32.8392, 21.0477,
30.0877

■ 28.0214, 14.5321,
18.8639

■ 35.4121, 24.9649,
34.7333

■ 27.2030, 13.7541,
15.9428

■ 38.5340, 29.8818,
39.8643

■ 27.0808, 13.6460,
15.4819

■ 42.2379, 35.8625,
45.4984

■ 46.5542, 42.9659,
51.6520

■ 51.5112, 51.2461,
58.3405

■ 57.1351, 60.7542,
65.5788

■ 63.4509, 71.5378,
73.3811

■ 70.4821, 83.6424,
81.7607

Harmonies

Analogous

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



27.2684, 18.0583, 48.5961



30.7780, 18.0583, 25.9082



30.0594, 18.0583, 10.6354

Triad

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



30.7780, 18.0583, 25.9082



13.6246, 18.0583, 2.2650



10.8862, 18.0583, 55.9578

Complementary

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



30.7780, 18.0583, 25.9082



27.1322, 44.8902, 27.6593

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.



8.6120, 18.0583, 32.7368



30.7780, 18.0583, 25.9082



9.9263, 18.0583, 5.3492

Square

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



30.7780, 18.0583, 25.9082



19.2249, 18.0583, 1.9483



8.3059, 18.0583, 14.5109



15.2556, 18.0583, 71.4295

Rectangle

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



30.7780, 18.0583, 25.9082



27.3245, 18.0583, 5.4084



8.3059, 18.0583, 14.5109



9.8977, 18.0583, 48.3400

Sweetspot

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



30.7785, 18.0593, 25.9085



77.3057, 70.2349, 85.3405



21.1141, 12.3755, 57.1532



16.0905, 14.2806, 17.6222



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.



30.7785, 18.0593, 25.9085



48.3865, 25.6755, 34.7629



27.3254, 16.6780, 7.7246



11.4596, 11.3126, 12.9548



17.4715, 8.7992, 10.2016



0.9394, 0.4692, 0.7269

Inverse Universe

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



30.7785, 18.0593, 25.9085



48.3865, 25.6755, 34.7629



33.0972, 47.2762, 59.0703



11.4596, 11.3126, 12.9548



17.4715, 8.7992, 10.2016



0.9394, 0.4692, 0.7269

Previews

White Background



This preview shows how the XYZ color 30.7780, 18.0583, 25.9082 looks on a white background.

Color Contrast Check

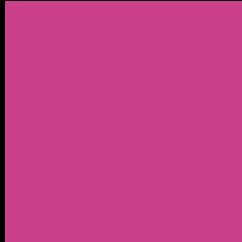
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.7780, 18.0583, 25.9082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

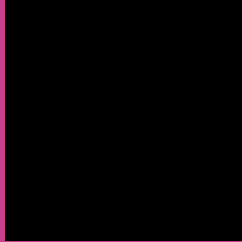
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.7780, 18.0583, 25.9082

Background



This preview shows how black text looks on a background with the XYZ color 30.7780, 18.0583, 25.9082.



This preview shows how white text looks on a background with the XYZ color 30.7780, 18.0583,

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

30.7780, 18.0583, 25.9082

Protanopia

19.2447, 18.4704, 43.1083

Deuteranopia

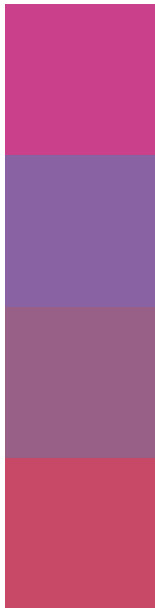
18.5396, 18.1852, 24.0057



Tritanopia

27.5744, 18.0791, 10.2199

Trichromacy



Original Color

30.7780, 18.0583, 25.9082

Protanomaly

21.0426, 16.5782, 36.2733

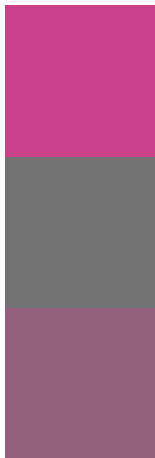
Deuteranomaly

21.4348, 16.7624, 24.6600

Tritanomaly

28.3839, 17.8865, 14.7884

Monochromacy



Original Color

30.7780, 18.0583, 25.9082

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

19.6121, 15.9068, 20.7755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7780, 18.0583, 25.9082 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, 64, 138)` looks like.

```
.text, #text, p{  
    color:rgb(202, 64, 138)  
}
```

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, 64, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 64, 138) }
```

Border

The CSS property to change the border of an element to XYZ 30.7780, 18.0583, 25.9082 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, 64, 138) }
```


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

```
.border{ border-color:rgb(202, 64, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 64, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 64, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 64, 138);  
box-shadow:4px 4px 4px 4px rgb(202, 64,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7780, 18.0583, 25.9082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 64, 138) }
```

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

```
.background{ background-color: rgb(202, 64,  
138) }
```

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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