

Converting Colors

XYZ(30.0002, 20.1692, 16.8564)

Have a look what the booklet for
XYZ(30.0002, 20.1692, 16.8564)
contains.

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Color

**XYZ(29.9879, 20.1999,
16.7864)**

Conversions

Conversions Part 1

Format	Color
Hex	C8576D
RGB	200, 87, 109
RGB Percent	78%, 34%, 43%
CMY	0.2157, 0.6588, 0.5725
CMYK	0.00, 0.56, 0.45, 0.22
HSL	348°, 51%, 56%
HSV	348°, 56%, 78%
XYZ	29.9879, 20.1999, 16.7864
YIQ	123.2950, 60.2860, 30.7980

Conversions

Conversions Part 2

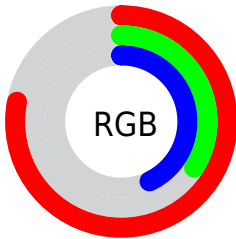
Format	Color
R_{YB}	200, 87, 109
Decimal	13129581
CIE _{Lab}	52.06, 47.01, 10.11
CIE _{LCh}	52, 48.088, 12.134
Yxy	20.1999, 0.4478, 0.3016
Android (android.graphics.Color)	4291319661 (0xFFC8576D)
YUV	123.2950, -7.0474, 67.2703
Hunter-Lab	44.9443, 40.4469, 9.3166

Details

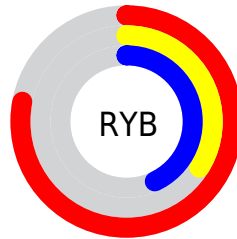
The XYZ color **29.9879, 20.1999, 16.7864** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted rose. A complement of this color would be **32.6218, 46.5496, 49.3883**, and the grayscale version is **18.9335, 19.9195, 21.6924**.

A 20% lighter version of the original color is **57.1100, 42.8478, 38.5181**, and **12.5413, 7.1316, 5.2730** is the 20% darker color. If you saturate the color by 10%, you get **27.7980, 17.0829, 12.1634**, and if you desaturate by 10%, it is **32.7863, 24.2796, 22.3965**.

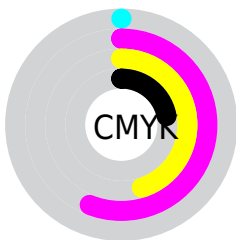
Distribution



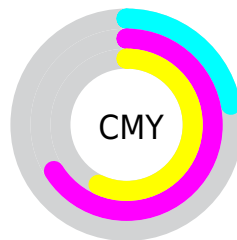
- Red (78%)
- Green (34%)
- Blue (43%)



- Red (78%)
- Yellow (34%)
- Blue (43%)



- Cyan (0%)
- Magenta (56%)
- Yellow (45%)
- Black (22%)





- Cyan (22%)
- Magenta (66%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9879, 20.1999, 16.7864 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 29.9879, 20.1999, 16.7864 by changing the saturation by 10% instead.


 29.9879, 20.1999,
16.7864


 29.9879, 20.1999,
16.7864


293.7589,
252.9952, 245.9406

 19.9774, 12.5404,
9.9220

 59.0298, 43.7521,
38.7438

 12.4868, 7.1129,
5.2423


 78.7919, 60.4136,
54.6738

 7.1507, 3.5328,
2.3289


 102.5354, 80.8445,
74.4627

 3.6037, 1.4158,
0.7474

 130.6254,
105.4294, 98.5292

 1.4805, 0.2283,
0.0000

163.4274,
134.5525, 127.2916

 0.3125, 0.0000,
0.0000

201.3068,

 0.0000, 0.0000,

168.5982, 161.1687

0.0000

244.6288,
207.9510, 200.5788

■ 29.9879, 20.1999,
16.7864

■ 29.9879, 20.1999,
16.7864

■ 27.7980, 17.0829,
12.1634

■ 32.7863, 24.2796,
22.3965

■ 26.1681, 14.8457,
8.4680

■ 36.2333, 29.3893,
29.0461

■ 25.0451, 13.3970,
5.6356

■ 40.3674, 35.5942,
36.7853

■ 24.3608, 12.6176,
3.5911

■ 45.2237, 42.9530,
45.6602

■ 24.1844, 12.4253,
3.0370

■ 50.8347, 51.5203,
55.7148

■ 57.2310, 61.3471,
66.9901

■ 64.4416, 72.4817,
79.5256

■ 72.4937, 84.9696,
93.3587

■ 77.4630, 90.9528,
107.2086

Harmonies

Analogous

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



29.6601, 20.1999, 31.3764



29.9879, 20.1999, 16.7864



27.0864, 20.1999, 8.3846

Triad

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



29.9879, 20.1999, 16.7864



13.5366, 20.1999, 7.4189



16.4461, 20.1999, 59.0714

Complementary

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



29.9879, 20.1999, 16.7864



32.6218, 46.5496, 49.3883

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.



13.0145, 20.1999, 45.5773



29.9879, 20.1999, 16.7864



11.5425, 20.1999, 14.6979

Square

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



29.9879, 20.1999, 16.7864



17.2825, 20.1999, 4.7357



11.3693, 20.1999, 28.1812



21.2530, 20.1999, 60.4342

Rectangle

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



29.9879, 20.1999, 16.7864



23.9591, 20.1999, 5.7046



11.3693, 20.1999, 28.1812



15.1159, 20.1999, 55.6029

Sweetspot

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



29.9884, 20.2010, 16.7868



77.6260, 73.3441, 77.8367



32.0570, 20.3819, 56.8879



16.2303, 15.1140, 15.9617



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.



29.9884, 20.2010, 16.7868



47.3420, 28.4803, 19.3280



32.3657, 26.6192, 12.4505



10.7168, 10.6701, 11.4922



15.4028, 7.9107, 2.0650



0.7552, 0.3849, 0.2340

Inverse Universe

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



29.9884, 20.2010, 16.7868



47.3420, 28.4803, 19.3280



28.0112, 33.5062, 59.6343



10.7168, 10.6701, 11.4922



15.4028, 7.9107, 2.0650



0.7552, 0.3849, 0.2340

Previews

White Background



This preview shows how the XYZ color 29.9879, 20.1999, 16.7864 looks on a white background.

Color Contrast Check

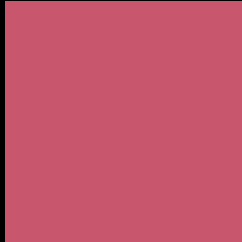
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9879, 20.1999, 16.7864 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 29.9879, 20.1999, 16.7864

Background



This preview shows how black text looks on a background with the XYZ color 29.9879, 20.1999, 16.7864.



This preview shows how white text looks on a background with the XYZ color 29.9879, 20.1999,

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

29.9879, 20.1999, 16.7864

Protanopia

19.7743, 20.4359, 23.6712

Deuteranopia

20.7168, 20.3617, 15.9350



Tritanopia

29.1911, 20.1131, 13.1701

Trichromacy



Original Color

29.9879, 20.1999, 16.7864

Protanomaly

22.3342, 19.5463, 21.0080

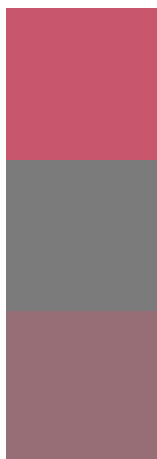
Deuteranomaly

23.2739, 19.6582, 16.2034

Tritanomaly

29.3432, 20.0417, 14.3785

Monochromacy



Original Color

29.9879, 20.1999, 16.7864

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.6084, 19.0392, 19.6756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9879, 20.1999, 16.7864 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(200, 87, 109)` looks like.

```
.text, #text, p{  
    color:rgb(200, 87, 109)  
}
```

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(200, 87, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 87, 109) }
```

Border

The CSS property to change the border of an element to XYZ 29.9879, 20.1999, 16.7864 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(200, 87, 109) }
```


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

```
.border{ border-color:rgb(200, 87, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 87, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 87, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 87, 109);  
box-shadow:4px 4px 4px 4px rgb(200, 87,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9879, 20.1999, 16.7864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 87, 109) }
```

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

```
.background{ background-color: rgb(200, 87,  
109) }
```

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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