

Converting Colors

XYZ(29.7214, 16.7049, 15.9965)

Have a look what the booklet for
XYZ(29.7214, 16.7049, 15.9965)
contains.

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Color

**XYZ(29.6330, 16.6507,
16.1201)**

Conversions

Conversions Part 1

Format	Color
Hex	CF326D
RGB	207, 50, 109
RGB Percent	81%, 20%, 43%
CMY	0.1882, 0.8039, 0.5725
CMYK	0.00, 0.76, 0.47, 0.19
HSL	337°, 62%, 50%
HSV	337°, 76%, 81%
XYZ	29.6330, 16.6507, 16.1201
YIQ	103.6690, 74.6330, 51.6330

Conversions

Conversions Part 2

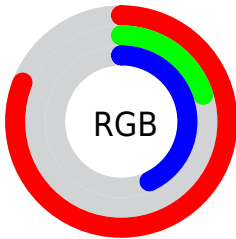
Format	Color
R_{YB}	207, 50, 109
Decimal	13578861
CIE _{Lab}	47.82, 63.97, 4.23
CIE _{LCh}	48, 64.105, 3.780
Yxy	16.6507, 0.4749, 0.2668
Android (android.graphics.Color)	4291768941 (0xFFCF326D)
YUV	103.6690, 2.6282, 90.6213
Hunter-Lab	40.8053, 58.2184, 5.1412

Details

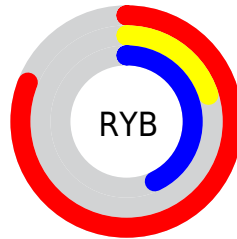
The XYZ color **29.6330, 16.6507, 16.1201** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **28.9748, 47.4423, 35.6514**, and the grayscale version is **13.0502, 13.7299, 14.9518**.

A 20% lighter version of the original color is **53.1611, 34.9499, 37.2018**, and **12.9021, 6.5508, 5.1418** is the 20% darker color. If you saturate the color by 10%, you get **28.2940, 15.0054, 12.4904**, and if you desaturate by 10%, it is **31.4750, 19.1384, 20.4223**.

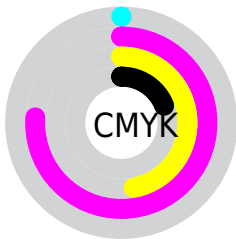
Distribution



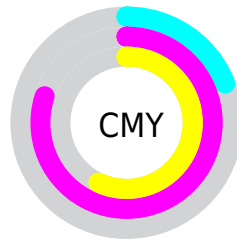
- Red (81%)
- Green (20%)
- Blue (43%)



- Red (81%)
- Yellow (20%)
- Blue (43%)



- Cyan (0%)
- Magenta (76%)
- Yellow (47%)
- Black (19%)





- Cyan (19%)
- Magenta (80%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6330, 16.6507, 16.1201 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 29.6330, 16.6507, 16.1201 by changing the saturation by 10% instead.


 29.6330, 16.6507,
16.1201


 29.6330, 16.6507,
16.1201


292.1306,
233.1513, 241.9192


 19.7069, 9.9858,
9.4539


 58.4719, 37.7242,
37.5763


 12.2892, 5.3895,
4.9376


 78.1154, 52.9016,
53.2033


 7.0145, 2.4776,
2.1526


 101.7288, 71.6852,
72.6544

 3.5176, 0.8654,
0.6468

 129.6773, 94.4596,
96.3481

 1.4330, 0.0000,
0.0000

 162.3265,
121.6089, 124.7028

 0.2796, 0.0000,
0.0000

200.0415,

 0.0000, 0.0000,

153.5178, 158.1373

0.0000

243.1877,
190.5704, 197.0699

■ 29.6330, 16.6507,
16.1201

■ 29.6330, 16.6507,
16.1201

■ 28.2940, 15.0054,
12.4904

■ 31.4750, 19.1384,
20.4223

■ 27.3929, 14.0792,
9.4892

■ 33.8706, 22.5629,
25.4341

■ 27.0993, 13.8123,
8.4044

■ 36.8652, 27.0089,
31.1902

■ 40.4992, 32.5509,
37.7225

■ 44.8091, 39.2563,
45.0607

■ 49.8284, 47.1869,
53.2329

■ 55.5887, 56.4003,
62.2657

■ 62.1194, 66.9504,
72.1845

■ 69.4482, 78.8879,
83.0134

Harmonies

Analogous

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



27.9720, 16.6507, 36.0437



29.6330, 16.6507, 16.1201



26.9192, 16.6507, 5.6021

Triad

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



29.6330, 16.6507, 16.1201



10.4367, 16.6507, 2.4870



11.4234, 16.6507, 64.0045

Complementary

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



29.6330, 16.6507, 16.1201



28.9748, 47.4423, 35.6514

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.



8.2957, 16.6507, 42.0722



29.6330, 16.6507, 16.1201



7.8305, 16.6507, 7.4238

Square

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



29.6330, 16.6507, 16.1201



15.1078, 16.6507, 1.3303



7.1538, 16.6507, 20.2999



16.5666, 16.6507, 71.6935

Rectangle

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



29.6330, 16.6507, 16.1201



23.3057, 16.6507, 2.6987



7.1538, 16.6507, 20.2999



10.1470, 16.6507, 57.5932

Sweetspot

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



29.6334, 16.6516, 16.1204



73.7647, 65.9802, 75.4439



24.4040, 12.9736, 60.2491



15.1977, 13.1945, 15.1683



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.



29.6334, 16.6516, 16.1204



44.3677, 22.9997, 16.8940



28.3949, 17.6696, 4.9329



11.9899, 11.8807, 13.2224



17.1163, 8.7194, 5.5187



0.9951, 0.5028, 0.5090

Inverse Universe

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



29.6334, 16.6516, 16.1204



44.3677, 22.9997, 16.8940



30.7081, 41.4429, 65.4120



11.9899, 11.8807, 13.2224



17.1163, 8.7194, 5.5187



0.9951, 0.5028, 0.5090

Previews

White Background



This preview shows how the XYZ color 29.6330, 16.6507, 16.1201 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 29.6330, 16.6507, 16.1201 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 29.6330, 16.6507, 16.1201

Background



This preview shows how black text looks on a background with the XYZ color 29.6330, 16.6507, 16.1201.



This preview shows how white text looks on a background with the XYZ color 29.6330, 16.6507,

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

29.6330, 16.6507, 16.1201

Protanopia

16.9598, 16.9188, 29.1598

Deuteranopia

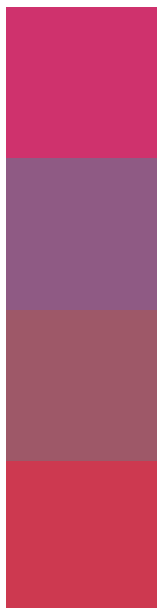
17.1308, 16.8373, 14.6589



Tritanopia

27.4960, 16.5450, 6.5948

Trichromacy



Original Color

29.6330, 16.6507, 16.1201

Protanomaly

19.1487, 14.8179, 23.6807

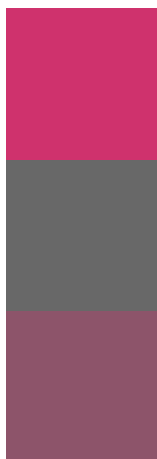
Deuteranomaly

20.0890, 15.2480, 14.9811

Tritanomaly

28.0879, 16.4846, 9.2909

Monochromacy



Original Color

29.6330, 16.6507, 16.1201

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

16.7563, 13.0440, 15.2703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6330, 16.6507, 16.1201 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(207, 50, 109)` looks like.

```
.text, #text, p{  
    color:rgb(207, 50, 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(207, 50, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 50, 109) }
```

Border

The CSS property to change the border of an element to XYZ 29.6330, 16.6507, 16.1201 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(207, 50, 109) }
```


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

```
.border{ border-color:rgb(207, 50, 109) }
```

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

Here you see how a box with a 4 pixel rgb(207, 50, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 50, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 50, 109);  
box-shadow:4px 4px 4px 4px rgb(207, 50,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6330, 16.6507, 16.1201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 50, 109) }
```

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

```
.background{ background-color: rgb(207, 50,  
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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