

Converting Colors

XYZ(29.5478, 15.0175, 14.1896)

Have a look what the booklet for
XYZ(29.5478, 15.0175, 14.1896)
contains.

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Color

**XYZ(29.6430, 15.0632,
14.1771)**

Conversions

Conversions Part 1

Format	Color
Hex	D40467
RGB	212, 4, 103
RGB Percent	83%, 2%, 40%
CMY	0.1686, 0.9841, 0.5961
CMYK	0.00, 0.98, 0.51, 0.17
HSL	331°, 96%, 42%
HSV	331°, 98%, 83%
XYZ	29.6430, 15.0632, 14.1771
YIQ	77.4780, 92.1890, 74.8850

Conversions

Conversions Part 2

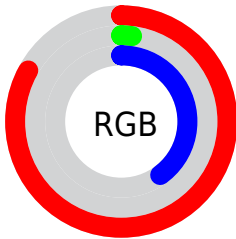
Format	Color
R_{YB}	212, 4, 103
Decimal	13894759
CIE _{Lab}	45.72, 73.04, 5.05
CIE _{LCh}	46, 73.214, 3.952
Yxy	15.0632, 0.5034, 0.2558
Android (android.graphics.Color)	4292084839 (0xFFD40467)
YUV	77.4780, 12.5823, 117.9758
Hunter-Lab	38.8113, 68.4134, 5.5103

Details

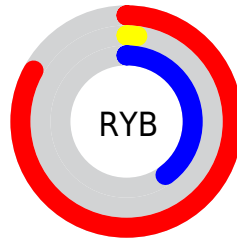
The XYZ color **29.6430, 15.0632, 14.1771** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **26.5772, 48.3062, 23.5594**, and the grayscale version is **7.1131, 7.4835, 8.1495**.

A 20% lighter version of the original color is **50.7289, 30.9054, 33.8635**, and **13.3162, 6.7794, 4.4776** is the 20% darker color. If you saturate the color by 10%, you get **29.4944, 14.9342, 13.6091**, and if you desaturate by 10%, it is **30.5478, 15.9203, 17.4160**.

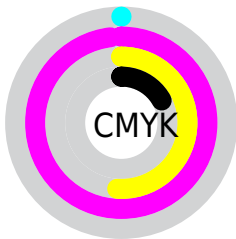
Distribution



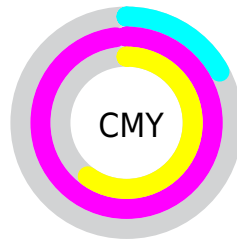
- Red (83%)
- Green (2%)
- Blue (40%)



- Red (83%)
- Yellow (2%)
- Blue (40%)



- Cyan (0%)
- Magenta (98%)
- Yellow (51%)
- Black (17%)





- Cyan (17%)
- Magenta (98%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6430, 15.0632, 14.1771 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 29.6430, 15.0632, 14.1771 by changing the saturation by 10% instead.

 29.6430, 15.0632,
14.1771

 29.6430, 15.0632,
14.1771


292.1766,
223.7484, 229.7964


 19.7145, 8.8638,
8.1038

 58.4877, 34.9640,
34.1246


 12.2947, 4.6524,
4.0727


 78.1345, 49.4342,
48.8358


 7.0184, 2.0448,
1.6653


 101.7516, 67.4300,
67.2635

 3.5200, 0.6333,
0.3368

 129.7041, 89.3359,
89.8260

 1.4344, 0.0000,
0.0000

 162.3575,
115.5364, 116.9421

 0.2805, 0.0000,
0.0000

 200.0772,

 0.0000, 0.0000,

146.4157, 149.0301

0.0000

243.2284,
182.3582, 186.5087

■ 29.6430, 15.0632,
14.1771

■ 29.6430, 15.0632,
14.1771

■ 29.4944, 14.9342,
13.6091

■ 30.5478, 15.9203,
17.4160

■ 31.8618, 17.4724,
21.1704

■ 33.6649, 19.8757,
25.4801

■ 36.0125, 23.2368,
30.3756

■ 38.9520, 27.6466,
35.8845

■ 42.5253, 33.1855,
42.0320

■ 46.7703, 39.9257,
48.8414

■ 51.7219, 47.9334,
56.3350

■ 57.4122, 57.2702,
64.5334

Harmonies

Analogous

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



27.7788, 15.0632, 36.2101



29.6430, 15.0632, 14.1771



26.5307, 15.0632, 3.8291

Triad

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



29.6430, 15.0632, 14.1771



8.6782, 15.0632, 1.2976



9.7285, 15.0632, 69.4876

Complementary

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



29.6430, 15.0632, 14.1771



26.5772, 48.3062, 23.5594

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.



6.5801, 15.0632, 43.5028



29.6430, 15.0632, 14.1771



6.1068, 15.0632, 5.5747

Square

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



29.6430, 15.0632, 14.1771



13.5178, 15.0632, 0.4047



5.4662, 15.0632, 18.8467



15.1473, 15.0632, 78.6560

Rectangle

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



29.6430, 15.0632, 14.1771



22.4602, 15.0632, 1.4330



5.4662, 15.0632, 18.8467



8.4270, 15.0632, 61.8198

Sweetspot

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



29.6434, 15.0641, 14.1773



70.1996, 59.2983, 72.8737



18.5447, 8.2526, 62.9026



14.4150, 11.7196, 14.6283



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.



29.6434, 15.0641, 14.1773



44.7122, 22.6489, 20.2142



27.2550, 14.1689, 1.4146



12.6668, 12.5182, 14.1859



18.2584, 9.2397, 8.6646



1.1429, 0.5740, 0.7421

Inverse Universe

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



29.6434, 15.0641, 14.1773



44.7122, 22.6489, 20.2142



34.6205, 50.1520, 70.1428



12.6668, 12.5182, 14.1859



18.2584, 9.2397, 8.6646



1.1429, 0.5740, 0.7421

Previews

White Background



This preview shows how the XYZ color 29.6430, 15.0632, 14.1771 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 29.6430, 15.0632, 14.1771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

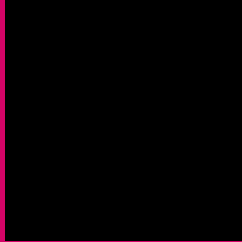
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.6430, 15.0632, 14.1771

Background



This preview shows how black text looks on a background with the XYZ color 29.6430, 15.0632, 14.1771.



This preview shows how white text looks on a background with the XYZ color 29.6430, 15.0632,

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

29.6430, 15.0632, 14.1771

Protanopia

16.0390, 15.7599, 30.6304

Deuteranopia

15.7786, 15.5518, 12.7599



Tritanopia

27.4877, 15.3013, 3.6025

Trichromacy



Original Color

29.6430, 15.0632, 14.1771



Protanomaly

17.2333, 11.7479, 23.1891



Deuteranomaly

18.1904, 12.2874, 12.7222



Tritanomaly

27.9190, 14.9023, 6.2554

Monochromacy



Original Color

29.6430, 15.0632, 14.1771



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

11.6565, 7.5678, 9.8632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6430, 15.0632, 14.1771 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(212, 4, 103)` looks like.

```
.text, #text, p{  
    color:rgb(212, 4, 103)  
}
```

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(212, 4, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 4, 103) }
```

Border

The CSS property to change the border of an element to XYZ 29.6430, 15.0632, 14.1771 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(212, 4, 103) }
```


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

```
.border{ border-color:rgb(212, 4, 103) }
```

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

Here you see how a box with a 4 pixel rgb(212, 4, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 4, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 4, 103);  
box-shadow:4px 4px 4px 4px rgb(212, 4,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6430, 15.0632, 14.1771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 4, 103) }
```

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

```
.background{ background-color: rgb(212, 4,  
103) }
```

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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