

Converting Colors

XYZ(29.5510, 15.3084, 13.3988)

Have a look what the booklet for
XYZ(29.5510, 15.3084, 13.3988)
contains.

XYZ(29.6845, 15.3829, 13.4612)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.6845, 15.3829,
13.4612)**

Conversions

Conversions Part 1

Format	Color
Hex	D41364
RGB	212, 19, 100
RGB Percent	83%, 7%, 39%
CMY	0.1686, 0.9254, 0.6078
CMYK	0.00, 0.91, 0.53, 0.17
HSL	335°, 84%, 45%
HSV	335°, 91%, 83%
XYZ	29.6845, 15.3829, 13.4612
YIQ	85.9410, 89.0270, 66.1070

Conversions

Conversions Part 2

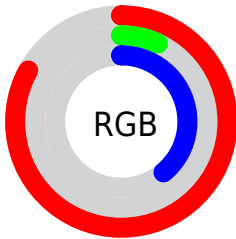
Format	Color
R_{YB}	212, 19, 100
Decimal	13898596
CIE _{Lab}	46.15, 71.33, 7.53
CIE _{LCh}	46, 71.725, 6.026
Yxy	15.3829, 0.5072, 0.2628
Android (android.graphics.Color)	4292088676 (0xFFD41364)
YUV	85.9410, 6.9311, 110.5537
Hunter-Lab	39.2210, 66.4612, 7.1056

Details

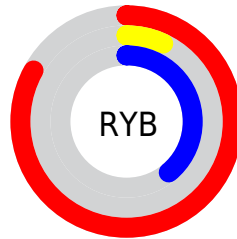
The XYZ color **29.6845, 15.3829, 13.4612** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **27.9112, 48.8650, 29.4436**, and the grayscale version is **8.8086, 9.2673, 10.0921**.

A 20% lighter version of the original color is **50.7477, 31.4674, 32.2533**, and **13.2435, 6.7504, 4.0950** is the 20% darker color. If you saturate the color by 10%, you get **28.9526, 14.7175, 10.7563**, and if you desaturate by 10%, it is **30.8594, 16.7067, 17.0165**.

Distribution



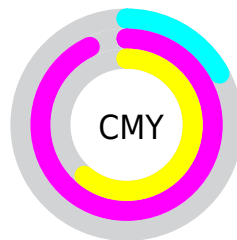
- Red (83%)
- Green (7%)
- Blue (39%)



- Red (83%)
- Yellow (7%)
- Blue (39%)



- Cyan (0%)
- Magenta (91%)
- Yellow (53%)
- Black (17%)





- Cyan (17%)
- Magenta (93%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6845, 15.3829, 13.4612 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 29.6845, 15.3829, 13.4612 by changing the saturation by 10% instead.


 29.6845, 15.3829,
13.4612


 29.6845, 15.3829,
13.4612


292.3673,
225.6723, 225.1633

 19.7461, 9.0886,
7.6124


 58.5529, 35.5235,
32.8331


 12.3178, 4.7990,
3.7638


 78.2137, 50.1386,
47.1934


 7.0342, 2.1298,
1.4967


 101.8460, 68.2960,
65.2280

 3.5301, 0.6813,
0.2154

 129.8151, 90.3802,
87.3553

 1.4399, 0.0000,
0.0000

 162.4864,
116.7755, 113.9939

 0.2844, 0.0000,
0.0000

 200.2254,

 0.0000, 0.0000,

147.8663, 145.5625

0.0000

243.3972,
184.0371, 182.4794

■ 29.6845, 15.3829,
13.4612

■ 29.6845, 15.3829,
13.4612

■ 28.9526, 14.7175,
10.7563

■ 30.8594, 16.7067,
17.0165

■ 32.5197, 18.8511,
21.1959

■ 34.7253, 21.9305,
26.0371

■ 37.5266, 26.0400,
31.5733

■ 40.9677, 31.2631,
37.8352

■ 45.0885, 37.6745,
44.8512

■ 49.9255, 45.3424,
52.6479

■ 55.5124, 54.3299,
61.2505

■ 61.8808, 64.6956,
70.6830

Harmonies

Analogous

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



28.1899, 15.3829, 34.4682



29.6845, 15.3829, 13.4612



26.3231, 15.3829, 3.7339

Triad

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



29.6845, 15.3829, 13.4612



8.7447, 15.3829, 1.6165



10.3497, 15.3829, 70.1041

Complementary

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



29.6845, 15.3829, 13.4612



27.9112, 48.8650, 29.4436

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.



7.0316, 15.3829, 45.3379



29.6845, 15.3829, 13.4612



6.3018, 15.3829, 6.4635

Square

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



29.6845, 15.3829, 13.4612



13.4226, 15.3829, 0.5766



5.7760, 15.3829, 20.5336



15.8887, 15.3829, 77.3963

Rectangle

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



29.6845, 15.3829, 13.4612



22.2141, 15.3829, 1.4755



5.7760, 15.3829, 20.5336



8.9915, 15.3829, 62.9842

Sweetspot

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



29.6849, 15.3838, 13.4614



71.1014, 61.3494, 72.4109



21.0762, 9.8388, 63.0754



14.7006, 12.3142, 14.6509



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.



29.6849, 15.3838, 13.4614



43.8938, 22.3215, 15.9047



27.7827, 15.0714, 2.0621



12.6373, 12.5064, 14.0301



17.9215, 9.1049, 6.8907



1.1217, 0.5655, 0.6305

Inverse Universe

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



29.6849, 15.3838, 13.4614



43.8938, 22.3215, 15.9047



32.6072, 45.8012, 69.4091



12.6373, 12.5064, 14.0301



17.9215, 9.1049, 6.8907



1.1217, 0.5655, 0.6305

Previews

White Background



This preview shows how the XYZ color 29.6845, 15.3829, 13.4612 looks on a white background.

Color Contrast Check

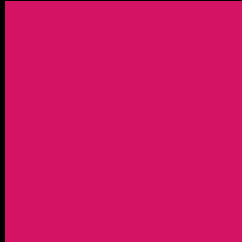
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6845, 15.3829, 13.4612 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 29.6845, 15.3829, 13.4612

Background



This preview shows how black text looks on a background with the XYZ color 29.6845, 15.3829, 13.4612.



This preview shows how white text looks on a background with the XYZ color 29.6845, 15.3829,

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

29.6845, 15.3829, 13.4612

Protanopia

15.9061, 15.7452, 28.1874

Deuteranopia

15.9444, 15.6526, 12.0784



Tritanopia

27.5944, 15.4575, 3.8147

Trichromacy



Original Color

29.6845, 15.3829, 13.4612

Protanomaly

17.5705, 12.4520, 21.5561

Deuteranomaly

18.7672, 13.0766, 12.1246

Tritanomaly

28.0758, 15.2159, 6.3077

Monochromacy



Original Color

29.6845, 15.3829, 13.4612

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

13.1267, 9.1061, 10.9633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6845, 15.3829, 13.4612 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, 19, 100)` looks like.

```
.text, #text, p{  
    color:rgb(212, 19, 100)  
}
```

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, 19, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 19, 100) }
```

Border

The CSS property to change the border of an element to XYZ 29.6845, 15.3829, 13.4612 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, 19, 100) }
```


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

```
.border{ border-color:rgb(212, 19, 100) }
```

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

Here you see how a box with a 4 pixel rgb(212, 19, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 19, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 19, 100);  
box-shadow:4px 4px 4px 4px rgb(212, 19,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6845, 15.3829, 13.4612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 19, 100) }
```

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

```
.background{ background-color: rgb(212, 19,  
100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor