

Converting Colors

XYZ(29.4498, 15.2890, 12.2254)

Have a look what the booklet for
XYZ(29.4498, 15.2890, 12.2254)
contains.

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Color

**XYZ(29.4498, 15.2890,
12.2254)**

Conversions

Conversions Part 1

Format	Color
Hex	D4135F
RGB	212, 19, 95
RGB Percent	83%, 7%, 37%
CMY	0.1686, 0.9254, 0.6274
CMYK	0.00, 0.91, 0.55, 0.17
HSL	336°, 84%, 45%
HSV	336°, 91%, 83%
XYZ	29.4498, 15.2890, 12.2254
YIQ	85.3710, 90.6320, 64.5520

Conversions

Conversions Part 2

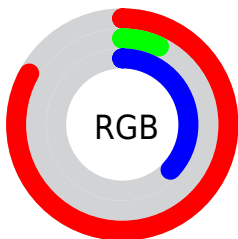
Format	Color
R_{YB}	212, 19, 95
Decimal	13898591
CIE Lab	46.03, 70.98, 10.46
CIE LCh	46, 71.745, 8.382
Yxy	15.2890, 0.5170, 0.2684
Android (android.graphics.Color)	4292088671 (0xFFD4135F)
YUV	85.3710, 4.7471, 111.0536
Hunter-Lab	39.1012, 66.0138, 8.8331

Details

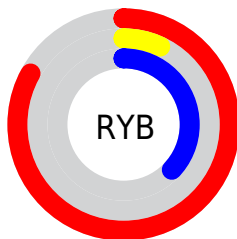
The XYZ color **29.4498, 15.2890, 12.2254** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **28.2584, 49.0038, 31.2721**, and the grayscale version is **8.6925, 9.1452, 9.9591**.

A 20% lighter version of the original color is **50.3535, 31.3097, 30.1775**, and **13.1534, 6.7143, 3.6203** is the 20% darker color. If you saturate the color by 10%, you get **28.7306, 14.6287, 9.5871**, and if you desaturate by 10%, it is **30.6168, 16.6096, 15.7390**.

Distribution



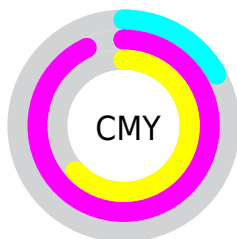
- Red (83%)
- Green (7%)
- Blue (37%)



- Red (83%)
- Yellow (7%)
- Blue (37%)



- Cyan (0%)
- Magenta (91%)
- Yellow (55%)
- Black (17%)





- Cyan (17%)
- Magenta (93%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4498, 15.2890, 12.2254 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 29.4498, 15.2890, 12.2254 by changing the saturation by 10% instead.


 29.4498, 15.2890,
12.2254


 29.4498, 15.2890,
12.2254


291.2874,
225.1089, 216.9224


 19.5673, 9.0225,
6.7730


 58.1836, 35.3594,
30.5755


 12.1874, 4.7558,
3.2442


 77.7656, 49.9320,
44.3102


 6.9445, 2.1047,
1.2207


 101.3116, 68.0421,
61.6428

 3.4734, 0.6673,
0.0000

 129.1868, 90.0741,
82.9918

 1.4088, 0.0000,
0.0000

 161.7567,
116.4124, 108.7757

 0.2625, 0.0000,
0.0000

 199.3865,

 0.0000, 0.0000,

147.4414, 139.4131

0.0000

242.4416,
183.5454, 175.3225

■ 29.4498, 15.2890,
12.2254

■ 29.4498, 15.2890,
12.2254

■ 28.7306, 14.6287,
9.5871

■ 30.6168, 16.6096,
15.7390

■ 32.2762, 18.7537,
19.9140

■ 34.4887, 21.8358,
24.7911

■ 37.3049, 25.9513,
30.4066

■ 40.7698, 31.1839,
36.7935

■ 44.9235, 37.6084,
43.9826

■ 49.8029, 45.2933,
52.0031

■ 55.4423, 54.3017,
60.8820

■ 61.8735, 64.6925,
70.6456

Harmonies

Analogous

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



28.3462, 15.2890, 32.2929



29.4498, 15.2890, 12.2254



25.7664, 15.2890, 3.3066

Triad

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



29.4498, 15.2890, 12.2254



8.4111, 15.2890, 1.7742



10.6338, 15.2890, 71.2583

Complementary

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



29.4498, 15.2890, 12.2254



28.2584, 49.0038, 31.2721

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.



7.1551, 15.2890, 47.3176



29.4498, 15.2890, 12.2254



6.1436, 15.2890, 7.1031

Square

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



29.4498, 15.2890, 12.2254



12.8923, 15.2890, 0.5858



5.7588, 15.2890, 22.0240



16.3046, 15.2890, 76.6589

Rectangle

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



29.4498, 15.2890, 12.2254



21.5681, 15.2890, 1.3118



5.7588, 15.2890, 22.0240



9.2210, 15.2890, 64.5802

Sweetspot

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



29.4502, 15.2899, 12.2256



70.8733, 61.2582, 71.2099



22.0783, 10.3554, 63.1222



14.6473, 12.2929, 14.3704



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.



29.4502, 15.2899, 12.2256



43.5593, 22.1877, 14.1433



27.9726, 15.4512, 2.1254



12.6237, 12.5010, 13.9587



17.7830, 9.0495, 6.1611



1.1127, 0.5619, 0.5829

Inverse Universe

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



29.4502, 15.2899, 12.2256



43.5593, 22.1877, 14.1433



31.1570, 42.9007, 68.9256



12.6237, 12.5010, 13.9587



17.7830, 9.0495, 6.1611



1.1127, 0.5619, 0.5829

Previews

White Background



This preview shows how the XYZ color 29.4498, 15.2890, 12.2254 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 29.4498, 15.2890, 12.2254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

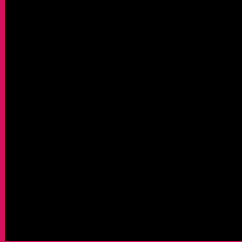
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.4498, 15.2890, 12.2254

Background



This preview shows how black text looks on a background with the XYZ color 29.4498, 15.2890, 12.2254.



This preview shows how white text looks on a background with the XYZ color 29.4498, 15.2890,

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

29.4498, 15.2890, 12.2254

Protanopia

15.6215, 15.6579, 25.4915

Deuteranopia

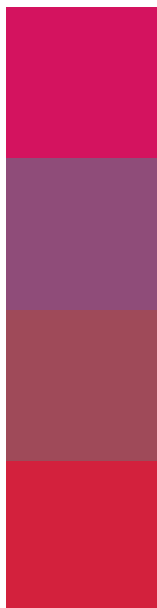
15.8870, 15.6471, 10.9870



Tritanopia

27.7715, 15.4476, 3.6158

Trichromacy



Original Color

29.4498, 15.2890, 12.2254

Protanomaly

17.3633, 12.3890, 19.5653

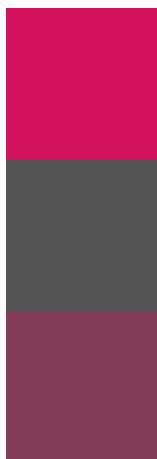
Deuteranomaly

18.5500, 12.9898, 10.9808

Tritanomaly

28.2501, 15.2735, 5.8740

Monochromacy



Original Color

29.4498, 15.2890, 12.2254

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

12.8320, 8.8841, 10.4897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4498, 15.2890, 12.2254 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(212, 19, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 19, 95) }
```

Border

The CSS property to change the border of an element to XYZ 29.4498, 15.2890, 12.2254 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, 95) }
```


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

```
.border{ border-color:rgb(212, 19, 95) }
```

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, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 19, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 19, 95);  
box-shadow:4px 4px 4px 4px rgb(212, 19,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4498, 15.2890, 12.2254 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, 95) }
```

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

```
.background{ background-color: rgb(212, 19,  
95) }
```

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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