

Converting Colors

XYZ(29.2668, 15.4484, 11.9416)

Have a look what the booklet for
XYZ(29.2668, 15.4484, 11.9416)
contains.

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Color

**XYZ(29.2763, 15.4409,
12.0270)**

Conversions

Conversions Part 1

Format	Color
Hex	D31B5E
RGB	211, 27, 94
RGB Percent	83%, 11%, 37%
CMY	0.1726, 0.8940, 0.6314
CMYK	0.00, 0.87, 0.55, 0.17
HSL	338°, 77%, 47%
HSV	338°, 87%, 83%
XYZ	29.2763, 15.4409, 12.0270
YIQ	89.6540, 88.1570, 59.8450

Conversions

Conversions Part 2

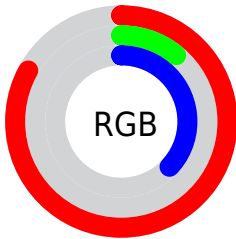
Format	Color
RYB	211, 27, 94
Decimal	13835102
CIELab	46.23, 69.43, 11.34
CIElCh	46, 70.350, 9.273
Yxy	15.4409, 0.5159, 0.2721
Android (android.graphics.Color)	4292025182 (0xFFD31B5E)
YUV	89.6540, 2.1426, 106.4204
Hunter-Lab	39.2949, 64.2236, 9.3595

Details

The XYZ color **29.2763, 15.4409, 12.0270** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **28.7824, 48.8359, 34.3031**, and the grayscale version is **9.6247, 10.1259, 11.0271**.

A 20% lighter version of the original color is **50.5487, 31.8230, 29.8638**, and **12.9488, 6.6113, 3.4994** is the 20% darker color. If you saturate the color by 10%, you get **28.3977, 14.5652, 9.0173**, and if you desaturate by 10%, it is **30.6017, 17.0430, 15.7024**.

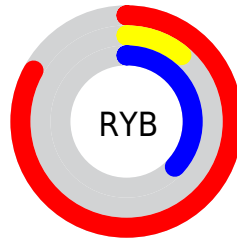
Distribution



Red (83%)

Green (11%)

Blue (37%)



Red (83%)

Yellow (11%)

Blue (37%)

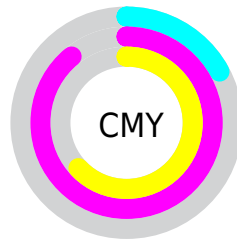


Cyan (0%)

Magenta (87%)

Yellow (55%)

Black (17%)



Cyan (17%)


Magenta (89%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2763, 15.4409, 12.0270 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 29.2763, 15.4409, 12.0270 by changing the saturation by 10% instead.


 29.2763, 15.4409,
12.0270


 29.2763, 15.4409,
12.0270

290.4871,
226.0196, 215.5682


 19.4353, 9.1294,
6.6393


 57.9103, 35.6248,
30.2094


 12.0911, 4.8257,
3.1626


 77.4340, 50.2660,
43.8412


 6.8784, 2.1453,
1.1782


 100.9160, 68.4526,
61.0581

 3.4318, 0.6899,
0.0000

 128.7215, 90.5689,
82.2787

 1.3860, 0.0000,
0.0000

 161.2161,
116.9994, 107.9214

 0.2462, 0.0000,
0.0000

 198.7650,

 0.0000, 0.0000,

148.1284, 138.4049

0.0000

241.7335,
184.3403, 174.1476

■ 29.2763, 15.4409,
12.0270

■ 29.2763, 15.4409,
12.0270

■ 28.3977, 14.5652,
9.0173

■ 30.6017, 17.0430,
15.7024

■ 28.1970, 14.3821,
8.2771

■ 32.4468, 19.5088,
20.0922

■ 34.8681, 22.9438,
25.2385

■ 37.9138, 27.4376,
31.1794

■ 41.6271, 33.0694,
37.9497

■ 46.0468, 39.9110,
45.5823

■ 51.2090, 48.0279,
54.1078

■ 57.1469, 57.4813,
63.5555

■ 63.8919, 68.3279,
73.9530

Harmonies

Analogous

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



28.3412, 15.4409, 31.4424



29.2763, 15.4409, 12.0270



25.5527, 15.4409, 3.3653

Triad

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



29.2763, 15.4409, 12.0270



8.5131, 15.4409, 2.0076



10.9570, 15.4409, 70.5846

Complementary

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



29.2763, 15.4409, 12.0270



28.7824, 48.8359, 34.3031

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.



7.4292, 15.4409, 47.6360



29.2763, 15.4409, 12.0270



6.3090, 15.4409, 7.6144

Square

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



29.2763, 15.4409, 12.0270



12.8930, 15.4409, 0.7187



5.9753, 15.4409, 22.7240



16.6165, 15.4409, 75.1243

Rectangle

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



29.2763, 15.4409, 12.0270



21.4019, 15.4409, 1.3972



5.9753, 15.4409, 22.7240



9.5315, 15.4409, 64.2708

Sweetspot

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



29.2767, 15.4418, 12.0272



71.3627, 62.3221, 71.1106



23.5718, 11.3760, 62.5812



14.7311, 12.4924, 14.3002



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.



29.2767, 15.4418, 12.0272



43.2085, 22.0474, 12.2959



28.2700, 16.3442, 2.7029



11.9841, 11.8784, 13.1920



17.0620, 8.6977, 5.2328



0.9917, 0.5014, 0.4910

Inverse Universe

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



29.2767, 15.4418, 12.0272



43.2085, 22.0474, 12.2959



29.8683, 40.2523, 67.8231



11.9841, 11.8784, 13.1920



17.0620, 8.6977, 5.2328



0.9917, 0.5014, 0.4910

Previews

White Background



This preview shows how the XYZ color 29.2763, 15.4409, 12.0270 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 29.2763, 15.4409, 12.0270 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 29.2763, 15.4409, 12.0270

Background



This preview shows how black text looks on a background with the XYZ color 29.2763, 15.4409, 12.0270.

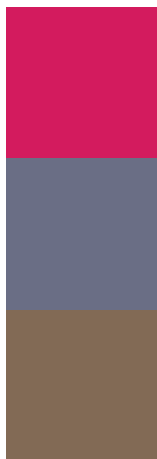


This preview shows how white text looks on a background with the XYZ color 29.2763, 15.4409,

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

29.2763, 15.4409, 12.0270

Protanopia

15.7534, 15.9095, 24.4308

Deuteranopia

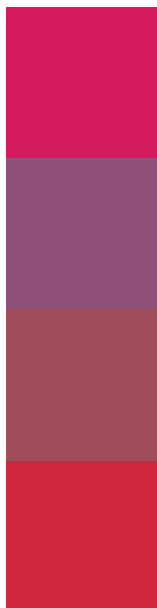
15.9996, 15.7098, 10.7833



Tritanopia

27.6498, 15.5385, 3.9248

Trichromacy



Original Color

29.2763, 15.4409, 12.0270

Protanomaly

17.7000, 12.9985, 19.0288

Deuteranomaly

18.7134, 13.3833, 10.8294

Tritanomaly

28.1410, 15.4357, 6.0536

Monochromacy



Original Color

29.2763, 15.4409, 12.0270

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

13.7270, 9.8380, 11.0730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2763, 15.4409, 12.0270 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(211, 27, 94)` looks like.

```
.text, #text, p{  
    color:rgb(211, 27, 94)  
}
```

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(211, 27, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 27, 94) }
```

Border

The CSS property to change the border of an element to XYZ 29.2763, 15.4409, 12.0270 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(211, 27, 94) }
```


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

```
.border{ border-color:rgb(211, 27, 94) }
```

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

Here you see how a box with a 4 pixel rgb(211, 27, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 27, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 27, 94);  
box-shadow:4px 4px 4px 4px rgb(211, 27,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2763, 15.4409, 12.0270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 27, 94) }
```

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

```
.background{ background-color: rgb(211, 27,  
94) }
```

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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