

Converting Colors

XYZ(28.9959, 14.7232, 11.5101)

Have a look what the booklet for
XYZ(28.9959, 14.7232, 11.5101)
contains.

XYZ(29.0831, 14.7698, 11.4432)	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(29.0831, 14.7698,
11.4432)**

Conversions

Conversions Part 1

Format	Color
Hex	D4005C
RGB	212, 0, 92
RGB Percent	83%, 0%, 36%
CMY	0.1686, 0.9998, 0.6392
CMYK	0.00, 1.00, 0.57, 0.17
HSL	334°, 100%, 42%
HSV	334°, 100%, 83%
XYZ	29.0831, 14.7698, 11.4432
YIQ	73.8760, 96.8200, 73.5560

Conversions

Conversions Part 2

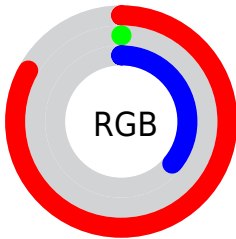
Format	Color
RYB	212, 0, 92
Decimal	13893724
CIELab	45.32, 72.63, 11.34
CIELCh	45, 73.509, 8.872
Yxy	14.7698, 0.5260, 0.2671
Android (android.graphics.Color)	4292083804 (0xFFD4005C)
YUV	73.8760, 8.9351, 121.1347
Hunter-Lab	38.4315, 67.8251, 9.2481

Details

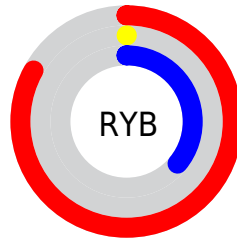
The XYZ color **29.0831, 14.7698, 11.4432** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **26.9370, 48.4441, 25.7153**, and the grayscale version is **6.4643, 6.8009, 7.4062**.

A 20% lighter version of the original color is **49.6949, 30.3578, 28.8316**, and **13.0908, 6.6893, 3.2905** is the 20% darker color. If you saturate the color by 10%, you get **29.0817, 14.7692, 11.4369**, and if you desaturate by 10%, it is **29.9228, 15.5420, 14.5203**.

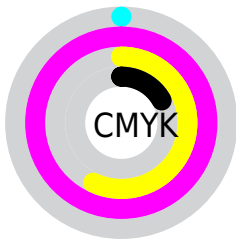
Distribution



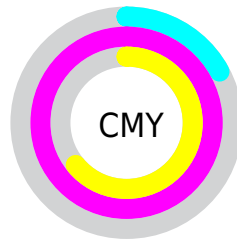
- Red (83%)
- Green (0%)
- Blue (36%)



- Red (83%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0831, 14.7698, 11.4432 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 29.0831, 14.7698, 11.4432 by changing the saturation by 10% instead.


 29.0831, 14.7698,
11.4432


 29.0831, 14.7698,
11.4432


289.5940,
221.9686, 211.5288


 19.2883, 8.6580,
6.2479


 57.6057, 34.4488,
29.1259


 11.9840, 4.5188,
2.9252


 77.0643, 48.7848,
42.4504


 6.8049, 1.9678,
1.0565


 100.4748, 66.6310,
59.3217

 3.3856, 0.5887,
0.0000

 128.2026, 88.3718,
80.1583

 1.3608, 0.0000,
0.0000

 160.6130,
114.3916, 105.3788

 0.2281, 0.0000,
0.0000

 198.0715,

 0.0000, 0.0000,

145.0747, 135.4016

0.0000

240.9434,
180.8056, 170.6455

■ 29.0831, 14.7698,
11.4432

■ 29.0831, 14.7698,
11.4432

■ 29.0817, 14.7692,
11.4369

■ 29.9228, 15.5420,
14.5203

■ 31.1478, 16.9459,
18.1539

■ 32.8616, 19.1829,
22.3955

■ 35.1221, 22.3638,
27.2806

■ 37.9787, 26.5823,
32.8407

■ 41.4749, 31.9207,
39.1049

■ 45.6498, 38.4529,
46.1001

■ 50.5394, 46.2463,
53.8517

■ 56.1769, 55.3634,
62.3837

Harmonies

Analogous

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



28.0438, 14.7698, 31.4576



29.0831, 14.7698, 11.4432



25.2750, 14.7698, 2.8795

Triad

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



29.0831, 14.7698, 11.4432



7.8957, 14.7698, 1.5516



10.2252, 14.7698, 72.0551

Complementary

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



29.0831, 14.7698, 11.4432



26.9370, 48.4441, 25.7153

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.



6.7510, 14.7698, 47.6577



29.0831, 14.7698, 11.4432



5.7017, 14.7698, 6.7673

Square

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



29.0831, 14.7698, 11.4432



12.3082, 14.7698, 0.3848



5.3541, 14.7698, 21.8300



15.9233, 14.7698, 77.2116

Rectangle

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



29.0831, 14.7698, 11.4432



21.0059, 14.7698, 1.0667



5.3541, 14.7698, 21.8300



8.8119, 14.7698, 65.2805

Sweetspot

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



29.0835, 14.7707, 11.4434



69.1045, 58.0379, 69.6417



19.1694, 8.5102, 62.9192



14.1885, 11.4746, 13.9111



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.



29.0835, 14.7707, 11.4434



44.0888, 22.3995, 16.9316



27.2671, 14.2283, 1.3106



12.6447, 12.5094, 14.0694



18.0020, 9.1371, 7.3147



1.1269, 0.5675, 0.6576

Inverse Universe

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



29.0835, 14.7707, 11.4434



44.0888, 22.3995, 16.9316



32.8646, 46.7146, 69.5715



12.6447, 12.5094, 14.0694



18.0020, 9.1371, 7.3147



1.1269, 0.5675, 0.6576

Previews

White Background



This preview shows how the XYZ color 29.0831, 14.7698, 11.4432 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 29.0831, 14.7698, 11.4432 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 29.0831, 14.7698, 11.4432

Background



This preview shows how black text looks on a background with the XYZ color 29.0831, 14.7698, 11.4432.

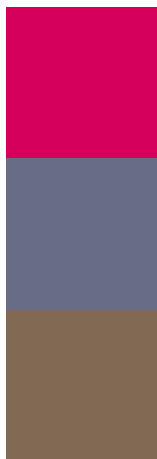


This preview shows how white text looks on a background with the XYZ color 29.0831, 14.7698,

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

29.0831, 14.7698, 11.4432

Protanopia

15.3746, 15.3894, 24.7144

Deuteranopia

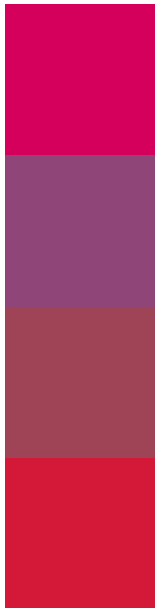
15.6662, 15.3948, 10.3294



Tritanopia

27.5583, 15.1521, 3.1412

Trichromacy



Original Color

29.0831, 14.7698, 11.4432

Protanomaly

16.7856, 11.4278, 18.7738

Deuteranomaly

17.9849, 12.0571, 10.1834

Tritanomaly

27.9044, 14.7877, 5.1250

Monochromacy



Original Color

29.0831, 14.7698, 11.4432

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

10.8139, 6.9122, 8.5488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0831, 14.7698, 11.4432 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, 0, 92)` looks like.

```
.text, #text, p{  
  color:rgb(212, 0, 92)  
}
```

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, 0, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 92) }
```

Border

The CSS property to change the border of an element to XYZ 29.0831, 14.7698, 11.4432 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, 0, 92) }
```


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

```
.border{ border-color:rgb(212, 0, 92) }
```

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

Here you see how a box with a 4 pixel rgb(212, 0, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 92);  
box-shadow:4px 4px 4px 4px rgb(212, 0, 92)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.0831, 14.7698, 11.4432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 92) }
```

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

```
.background{ background-color: rgb(212, 0,  
92) }
```

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