

Converting Colors

XYZ(27.9690, 12.7829, 11.1709)

Have a look what the booklet for
XYZ(27.9690, 12.7829, 11.1709)
contains.

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Color

**XYZ(28.7957, 14.6216,
11.4298)**

Conversions

Conversions Part 1

Format	Color
Hex	D3005C
RGB	211, 0, 92
RGB Percent	83%, 0%, 36%
CMY	0.1726, 0.9998, 0.6392
CMYK	0.00, 1.00, 0.56, 0.17
HSL	334°, 100%, 41%
HSV	334°, 100%, 83%
XYZ	28.7957, 14.6216, 11.4298
YIQ	73.5770, 96.2240, 73.3440

Conversions

Conversions Part 2

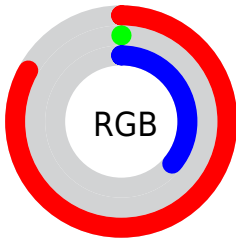
Format	Color
R_{YB}	211, 0, 92
Decimal	13828188
CIE Lab	45.11, 72.40, 11.02
CIE LCh	45, 73.237, 8.653
Yxy	14.6216, 0.5250, 0.2666
Android (android.graphics.Color)	4292018268 (0xFFD3005C)
YUV	73.5770, 9.0825, 120.5200
Hunter-Lab	38.2382, 67.5045, 9.0443

Details

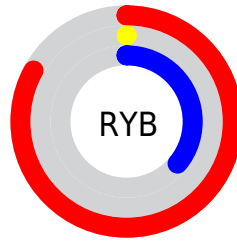
The XYZ color **28.7957, 14.6216, 11.4298** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **26.6271, 47.9215, 25.3131**, and the grayscale version is **6.4111, 6.7450, 7.3453**.

A 20% lighter version of the original color is **49.6949, 30.3578, 28.8316**, and **12.9075, 6.5948, 3.2819** is the 20% darker color. If you saturate the color by 10%, you get **28.7945, 14.6211, 11.4239**, and if you desaturate by 10%, it is **29.6284, 15.3880, 14.4794**.

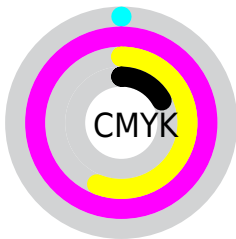
Distribution



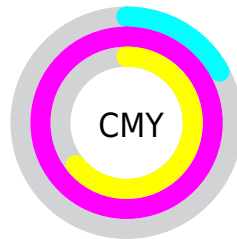
- Red (83%)
- Green (0%)
- Blue (36%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (17%)



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7957, 14.6216, 11.4298 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 28.7957, 14.6216, 11.4298 by changing the saturation by 10% instead.


 28.7957, 14.6216,
11.4298

 28.7957, 14.6216,
11.4298


288.2614,
221.0643, 211.4351


 19.0698, 8.5543,
6.2389


 57.1521, 34.1880,
29.1009


 11.8251, 4.4516,
2.9198


 76.5134, 48.4558,
42.4183


 6.6960, 1.9293,
1.0538


 99.8172, 66.2259,
59.2815

 3.3174, 0.5659,
0.0000

 127.4289, 87.8826,
80.1092

 1.3237, 0.0000,
0.0000

 159.7138,
113.8105, 105.3199

 0.2009, 0.0000,
0.0000

 197.0373,

 0.0000, 0.0000,

144.3938, 135.3321

0.0000

239.7647,
180.0169, 170.5643

■ 28.7957, 14.6216,
11.4298

■ 28.7957, 14.6216,
11.4298

■ 28.7945, 14.6211,
11.4239

■ 29.6284, 15.3880,
14.4794

■ 30.8416, 16.7786,
18.0768

■ 32.5375, 18.9930,
22.2725

■ 34.7737, 22.1407,
27.1014

■ 37.5987, 26.3144,
32.5945

■ 41.0555, 31.5953,
38.7803

■ 45.1828, 38.0563,
45.6854

■ 50.0162, 45.7644,
53.3346

■ 55.5884, 54.7811,
61.7514

Harmonies

Analogous

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



27.7310, 14.6216, 31.3203



28.7957, 14.6216, 11.4298



25.0576, 14.6216, 2.8844

Triad

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



28.7957, 14.6216, 11.4298



7.8417, 14.6216, 1.5214



10.0905, 14.6216, 71.1781

Complementary

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



28.7957, 14.6216, 11.4298



26.6271, 47.9215, 25.3131

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.



6.6682, 14.6216, 46.9612



28.7957, 14.6216, 11.4298



5.6554, 14.6216, 6.6357

Square

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



28.7957, 14.6216, 11.4298



12.2253, 14.6216, 0.3758



5.2989, 14.6216, 21.4558



15.7154, 14.6216, 76.4591

Rectangle

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



28.7957, 14.6216, 11.4298



20.8418, 14.6216, 1.0684



5.2989, 14.6216, 21.4558



8.6973, 14.6216, 64.4333

Sweetspot

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



28.7961, 14.6225, 11.4300



69.1244, 58.0458, 69.7465



18.9701, 8.4219, 62.2534



14.1931, 11.4765, 13.9358



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.



28.7961, 14.6225, 11.4300



44.1178, 22.4111, 17.0841



26.9791, 14.0790, 1.2969



12.0197, 11.8926, 13.3794



17.4270, 8.8437, 7.1549



1.0139, 0.5103, 0.6081

Inverse Universe

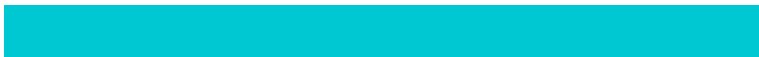
The Inverse Universe completely reimagines the original color for something new.



28.7961, 14.6225, 11.4300



44.1178, 22.4111, 17.0841



32.5174, 46.2215, 68.8354



12.0197, 11.8926, 13.3794



17.4270, 8.8437, 7.1549



1.0139, 0.5103, 0.6081

Previews

White Background



This preview shows how the XYZ color 28.7957, 14.6216, 11.4298 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 28.7957, 14.6216, 11.4298 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 28.7957, 14.6216, 11.4298

Background



This preview shows how black text looks on a background with the XYZ color 28.7957, 14.6216, 11.4298.

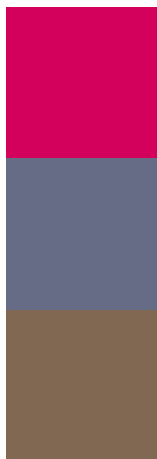


This preview shows how white text looks on a background with the XYZ color 28.7957, 14.6216,

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

28.7957, 14.6216, 11.4298

Protanopia

15.2592, 15.3299, 24.7090

Deuteranopia

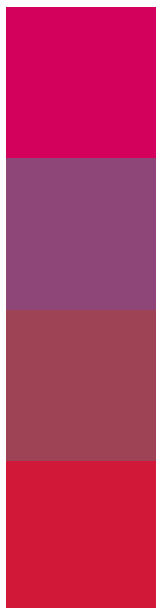
15.4137, 15.1144, 10.2886



Tritanopia

27.2745, 15.0058, 3.1280

Trichromacy



Original Color

28.7957, 14.6216, 11.4298

Protanomaly

16.6132, 11.3389, 18.7658

Deuteranomaly

17.7285, 11.8374, 10.1546

Tritanomaly

27.6188, 14.6404, 5.1116

Monochromacy



Original Color

28.7957, 14.6216, 11.4298

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 28.7957, 14.6216, 11.4298 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, 0, 92)` looks like.

```
.text, #text, p{  
    color:rgb(211, 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(211, 0, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 0, 92) }
```

Border

The CSS property to change the border of an element to XYZ 28.7957, 14.6216, 11.4298 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, 0, 92) }
```


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

```
.border{ border-color:rgb(211, 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(211, 0, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 0, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 0, 92);  
box-shadow:4px 4px 4px 4px rgb(211, 0, 92)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.7957, 14.6216, 11.4298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 0, 92) }
```

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

```
.background{ background-color: rgb(211, 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](#).

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