

Converting Colors

XYZ(28.8964, 14.6834, 10.9857)

Have a look what the booklet for
XYZ(28.8964, 14.6834, 10.9857)
contains.

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Color

**XYZ(28.9968, 14.7352,
10.9887)**

Conversions

Conversions Part 1

Format	Color
Hex	D4005A
RGB	212, 0, 90
RGB Percent	83%, 0%, 35%
CMY	0.1686, 0.9998, 0.6471
CMYK	0.00, 1.00, 0.58, 0.17
HSL	335°, 100%, 42%
HSV	335°, 100%, 83%
XYZ	28.9968, 14.7352, 10.9887
YIQ	73.6480, 97.4620, 72.9340

Conversions

Conversions Part 2

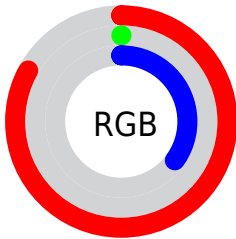
Format	Color
R_{YB}	212, 0, 90
Decimal	13893722
CIE Lab	45.27, 72.50, 12.52
CIE LCh	45, 73.576, 9.798
Yxy	14.7352, 0.5299, 0.2693
Android (android.graphics.Color)	4292083802 (0xFFD4005A)
YUV	73.6480, 8.0615, 121.3347
Hunter-Lab	38.3865, 67.6611, 9.8979

Details

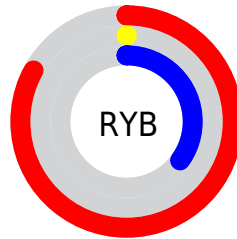
The XYZ color **28.9968, 14.7352, 10.9887** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **27.0594, 48.4932, 26.3602**, and the grayscale version is **6.4250, 6.7596, 7.3612**.

A 20% lighter version of the original color is **49.5460, 30.2982, 28.0477**, and **13.0513, 6.6735, 3.0829** is the 20% darker color. If you saturate the color by 10%, you get **28.9956, 14.7347, 10.9831**, and if you desaturate by 10%, it is **29.8322, 15.5056, 14.0437**.

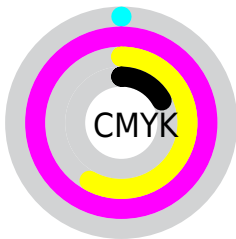
Distribution



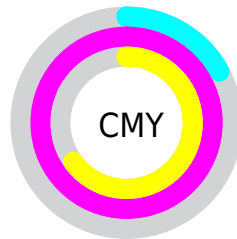
- Red (83%)
- Green (0%)
- Blue (35%)



- Red (83%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9968, 14.7352, 10.9887 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 28.9968, 14.7352, 10.9887 by changing the saturation by 10% instead.


 28.9968, 14.7352,
10.9887


 28.9968, 14.7352,
10.9887


289.1943,
221.7578, 208.3247


 19.2227, 8.6338,
5.9452


 57.4696, 34.3880,
28.2756


 11.9362, 4.5031,
2.7435


 76.8990, 48.7081,
41.3560


 6.7722, 1.9588,
0.9652


 100.2775, 66.5365,
57.9525

 3.3651, 0.5834,
0.0000

 127.9705, 88.2577,
78.4836

 1.3496, 0.0000,
0.0000

 160.3433,
114.2561, 103.3678

 0.2199, 0.0000,
0.0000

 197.7613,

 0.0000, 0.0000,

144.9159, 133.0237

0.0000

240.5899,
180.6217, 167.8698

■ 28.9968, 14.7352,
10.9887

■ 28.9968, 14.7352,
10.9887

■ 28.9956, 14.7347,
10.9831

■ 29.8322, 15.5056,
14.0437

■ 31.0554, 16.9087,
17.6676

■ 32.7698, 19.1458,
21.9131

■ 35.0337, 22.3278,
26.8165

■ 37.8966, 26.5487,
32.4104

■ 41.4022, 31.8907,
38.7247

■ 45.5897, 38.4276,
45.7870

■ 50.4953, 46.2272,
53.6236

■ 56.1523, 55.3519,
62.2591

Harmonies

Analogous

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



28.1135, 14.7352, 30.6289



28.9968, 14.7352, 10.9887



25.0613, 14.7352, 2.7307

Triad

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



28.9968, 14.7352, 10.9887



7.7695, 14.7352, 1.6119



10.3395, 14.7352, 72.5514

Complementary

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



28.9968, 14.7352, 10.9887



27.0594, 48.4932, 26.3602

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.



6.7995, 14.7352, 48.4902



28.9968, 14.7352, 10.9887



5.6418, 14.7352, 7.0284

Square

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



28.9968, 14.7352, 10.9887



12.1063, 14.7352, 0.3879



5.3474, 14.7352, 22.4519



16.0933, 14.7352, 76.9397

Rectangle

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



28.9968, 14.7352, 10.9887



20.7577, 14.7352, 1.0119



5.3474, 14.7352, 22.4519



8.9035, 14.7352, 65.9576

Sweetspot

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



28.9972, 14.7361, 10.9889



69.0139, 58.0016, 69.1647



19.6509, 8.7583, 62.9418



14.1672, 11.4661, 13.7991



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.



28.9972, 14.7361, 10.9889



43.9588, 22.3475, 16.2468



27.3109, 14.3158, 1.3250



12.6398, 12.5074, 14.0433



17.9484, 9.1157, 7.0321



1.1235, 0.5662, 0.6396

Inverse Universe

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



28.9972, 14.7361, 10.9889



43.9588, 22.3475, 16.2468



32.0483, 45.0821, 69.2996



12.6398, 12.5074, 14.0433



17.9484, 9.1157, 7.0321



1.1235, 0.5662, 0.6396

Previews

White Background



This preview shows how the XYZ color 28.9968, 14.7352, 10.9887 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 28.9968, 14.7352, 10.9887 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 28.9968, 14.7352, 10.9887

Background



This preview shows how black text looks on a background with the XYZ color 28.9968, 14.7352, 10.9887.

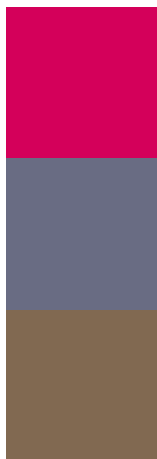


This preview shows how white text looks on a background with the XYZ color 28.9968, 14.7352,

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

28.9968, 14.7352, 10.9887

Protanopia

15.2850, 15.3671, 23.6333

Deuteranopia

15.5900, 15.3644, 9.9285



Tritanopia

27.5126, 15.0847, 3.0517

Trichromacy



Original Color

28.9968, 14.7352, 10.9887



Protanomaly

16.7821, 11.4465, 17.8479



Deuteranomaly

17.9055, 12.0253, 9.7649



Tritanomaly

27.8600, 14.7375, 4.9907

Monochromacy



Original Color

28.9968, 14.7352, 10.9887



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

10.7767, 6.8973, 8.3527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9968, 14.7352, 10.9887 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 90) }
```

Border

The CSS property to change the border of an element to XYZ 28.9968, 14.7352, 10.9887 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, 90) }
```


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

```
.border{ border-color:rgb(212, 0, 90) }
```

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, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(212, 0, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.9968, 14.7352, 10.9887 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, 90) }
```

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

```
.background{ background-color: rgb(212, 0,  
90) }
```

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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