

Converting Colors

XYZ(28.0541, 15.9189, 2.9870)

Have a look what the booklet for
XYZ(28.0541, 15.9189, 2.9870)
contains.

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Color

**XYZ(28.1412, 15.9862,
2.9689)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D32F20 |
| RGB | 211, 47, 32 |
| RGB Percent | 83%, 18%, 13% |
| CMY | 0.1726, 0.8156, 0.8745 |
| CMYK | 0.00, 0.78, 0.85, 0.17 |
| HSL | 5°, 74%, 48% |
| HSV | 5°, 85%, 83% |
| XYZ | 28.1412, 15.9862, 2.9689 |
| YIQ | 94.3260, 102.5590, 30.1030 |

Conversions

Conversions Part 2

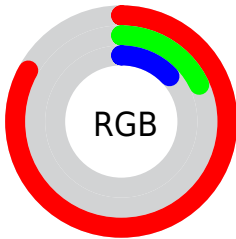
| Format | Color |
|-------------------------------------|---|
| RYB | 211, 48, 32 |
| Decimal | 13840160 |
| CIELab | 46.96, 61.89, 48.35 |
| CIElCh | 47, 78.534, 37.998 |
| Yxy | 15.9862, 0.5975, 0.3394 |
| Android (android.graphics.Color) | 4292030240 (0xFFD32F20) |
| YUV | 94.3260, -30.7267, 102.3231 |
| Hunter-Lab | 39.9827, 55.6645, 23.5854 |

Details

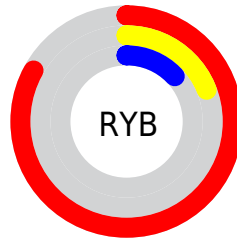
The XYZ color **28.1412, 15.9862, 2.9689** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **32.0903, 44.4838, 68.5225**, and the grayscale version is **10.7715, 11.3325, 12.3410**.

A 20% lighter version of the original color is **47.9090, 32.3399, 11.1143**, and **12.0326, 6.2030, 0.5631** is the 20% darker color. If you saturate the color by 10%, you get **27.3314, 14.6883, 1.7082**, and if you desaturate by 10%, it is **29.4770, 18.0435, 5.3094**.

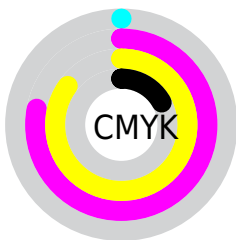
Distribution



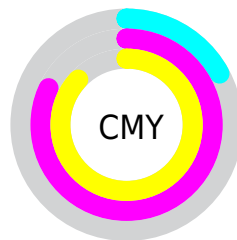
- Red (83%)
- Green (18%)
- Blue (13%)



- Red (83%)
- Yellow (19%)
- Blue (13%)



- Cyan (0%)
- Magenta (78%)
- Yellow (85%)
- Black (17%)





- Cyan (17%)
- Magenta (82%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1412, 15.9862, 2.9689 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 28.1412, 15.9862, 2.9689 by changing the saturation by 10% instead.


 28.1412, 15.9862,
2.9689


 28.1412, 15.9862,
2.9689


285.2089,
229.2603, 135.9635

 18.5731, 9.5144,
1.0788


 56.1169, 36.5742,
11.5516


 11.4644, 5.0782,
0.0000


 75.2552, 51.4593,
19.0813


 6.4497, 2.2932,
0.0000


 98.3142, 69.9175,
29.3278

 3.1636, 0.7701,
0.0000

 125.6595, 92.3333,
42.7099

 1.2409, 0.0000,
0.0000

 157.6562,
119.0911, 59.6459


 0.1383, 0.0000,
0.0000


 194.6698,


 0.0000, 0.0000,


150.5752, 80.5545


0.0000


 237.0655,
187.1702, 105.8542


 28.1412, 15.9862,
2.9689

 28.1412, 15.9862,
2.9689

 27.3314, 14.6883,
1.7082


 29.4770, 18.0435,
5.3094

 27.0752, 14.2716,
1.3277

 31.4084, 20.9495,
8.9022

 33.9950, 24.7845,
13.8903

 37.2891, 29.6183,
20.3968

 41.3376, 35.5144,
28.5316

■ 46.1834, 42.5307,
38.3943

■ 51.8660, 50.7210,
50.0764

■ 58.4226, 60.1359,
63.6631

■ 65.8878, 70.8226,
79.2342

Harmonies

Analogous

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



32.3597, 15.9862, 12.6608



28.1412, 15.9862, 2.9689



20.6918, 15.9862, 0.5694

Triad

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



28.1412, 15.9862, 2.9689



5.9516, 15.9862, 6.7420



17.1049, 15.9862, 88.0274

Complementary

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



28.1412, 15.9862, 2.9689



32.0903, 44.4838, 68.5225

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.



10.7687, 15.9862, 81.1886



28.1412, 15.9862, 2.9689



5.5170, 15.9862, 23.2101

Square

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



28.1412, 15.9862, 2.9689



8.4340, 15.9862, 1.3825



6.9893, 15.9862, 52.5640



24.8488, 15.9862, 67.3797

Rectangle

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



28.1412, 15.9862, 2.9689



15.6599, 15.9862, 0.1729



6.9893, 15.9862, 52.5640



14.7382, 15.9862, 89.0462

Sweetspot

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



28.1415, 15.9872, 2.9691



70.5464, 64.7823, 58.2206



37.3535, 18.8711, 53.9477



14.5077, 13.0099, 11.2529



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.



28.1415, 15.9872, 2.9691



41.5153, 21.8107, 2.0218



35.9874, 31.6789, 5.5844



11.8873, 11.9653, 12.2950



16.3710, 8.6750, 0.8116



0.9436, 0.5416, 0.0548

Inverse Universe

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



32.0903, 44.4838, 68.5225



47.3626, 65.8451, 104.8209



17.5678, 15.4389, 63.6817



12.0700, 13.2303, 15.1612



18.6819, 26.0104, 41.2284



1.0701, 1.5055, 2.3138

Previews

White Background



This preview shows how the XYZ color 28.1412, 15.9862, 2.9689 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



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 28.1412, 15.9862, 2.9689

Background



This preview shows how black text looks on a background with the XYZ color 28.1412, 15.9862, 2.9689.



This preview shows how white text looks on a background with the XYZ color 28.1412, 15.9862,

2.9689.

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

28.1412, 15.9862, 2.9689

Protanopia

14.7851, 16.1617, 5.1366

Deuteranopia

16.3094, 16.0589, 2.2401



Tritanopia

28.2955, 15.9229, 4.1669

Trichromacy



Original Color

28.1412, 15.9862, 2.9689

Protanomaly

17.6179, 14.2145, 4.0056

Deuteranomaly

19.2512, 14.7390, 2.1781

Tritanomaly

28.2412, 15.9630, 3.6905

Monochromacy



Original Color

28.1412, 15.9862, 2.9689

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

14.1077, 11.0811, 7.3565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1412, 15.9862, 2.9689 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, 47, 32)` looks like.

```
.text, #text, p{  
    color:rgb(211, 47, 32)  
}
```

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, 47, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 47, 32) }
```

Border

The CSS property to change the border of an element to XYZ 28.1412, 15.9862, 2.9689 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, 47, 32) }
```


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

```
.border{ border-color:rgb(211, 47, 32) }
```

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

Here you see how a box with a 4 pixel rgb(211, 47, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 47, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 47, 32);  
box-shadow:4px 4px 4px 4px rgb(211, 47,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1412, 15.9862, 2.9689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 47, 32) }
```

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

```
.background{ background-color: rgb(211, 47,  
32) }
```

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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