

Converting Colors

XYZ(28.2214, 14.7282, 4.5019)

Have a look what the booklet for
XYZ(28.2214, 14.7282, 4.5019)
contains.

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Color

**XYZ(28.2089, 14.7268,
4.4877)**

Conversions

Conversions Part 1

Format	Color
Hex	D50F33
RGB	213, 15, 51
RGB Percent	84%, 6%, 20%
CMY	0.1647, 0.9410, 0.8000
CMYK	0.00, 0.93, 0.76, 0.16
HSL	349°, 87%, 45%
HSV	349°, 93%, 84%
XYZ	28.2089, 14.7268, 4.4877
YIQ	78.3060, 106.4520, 53.1720

Conversions

Conversions Part 2

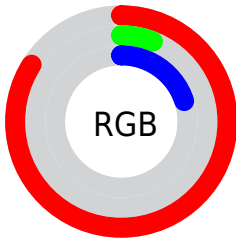
Format	Color
RYB	213, 15, 51
Decimal	13963059
CIELab	45.26, 69.48, 36.53
CIElCh	45, 78.495, 27.736
Yxy	14.7268, 0.5948, 0.3105
Android (android.graphics.Color)	4292153139 (0xFFD50F33)
YUV	78.3060, -13.4619, 118.1266
Hunter-Lab	38.3755, 64.0538, 19.9294

Details

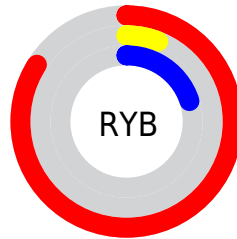
The XYZ color **28.2089, 14.7268, 4.4877** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **31.9311, 50.8657, 49.7492**, and the grayscale version is **7.3137, 7.6946, 8.3794**.

A 20% lighter version of the original color is **47.2718, 29.7961, 14.8150**, and **12.4383, 6.4071, 0.8109** is the 20% darker color. If you saturate the color by 10%, you get **27.8015, 14.2905, 3.1860**, and if you desaturate by 10%, it is **29.1380, 15.8509, 7.0617**.

Distribution



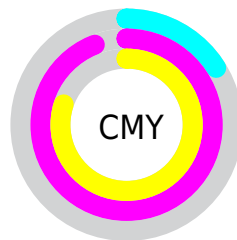
- Red (84%)
- Green (6%)
- Blue (20%)



- Red (84%)
- Yellow (6%)
- Blue (20%)



- Cyan (0%)
- Magenta (93%)
- Yellow (76%)
- Black (16%)





- Cyan (16%)
- Magenta (94%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2089, 14.7268, 4.4877 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 28.2089, 14.7268, 4.4877 by changing the saturation by 10% instead.


 28.2089, 14.7268,
4.4877


 28.2089, 14.7268,
4.4877


285.5258,
221.7066, 153.5010


 18.6244, 8.6279,
1.8965


 56.2241, 34.3732,
15.1198


 11.5016, 4.4993,
0.4905


 75.3856, 48.6894,
23.9978

 6.4751, 1.9566,
0.0000

 98.4701, 66.5136,
35.8084

 3.1794, 0.5821,
0.0000

 125.8430, 88.2300,
50.9703

 1.2493, 0.0000,
0.0000

 157.8697,
114.2232, 69.9020

 0.1448, 0.0000,
0.0000

 194.9154,

 0.0000, 0.0000,

144.8774, 93.0220

0.0000

237.3457,
180.5770, 120.7488

■ 28.2089, 14.7268,
4.4877

■ 28.2089, 14.7268,
4.4877

■ 27.8015, 14.2905,
3.1860

■ 29.1380, 15.8509,
7.0617

■ 30.6093, 17.8053,
10.5982

■ 32.6946, 20.7140,
15.1838

■ 35.4544, 24.6795,
20.8948

■ 38.9416, 29.7910,
27.8004

■ 43.2038, 36.1281,
35.9639

■ 48.2844, 43.7635,
45.4442

■ 54.2236, 52.7640,
56.2965

■ 61.0591, 63.1920,
68.5725

Harmonies

Analogous

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



30.5434, 14.7268, 17.4891



28.2089, 14.7268, 4.4877



21.7748, 14.7268, 0.8149

Triad

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



28.2089, 14.7268, 4.4877



5.8726, 14.7268, 3.5203



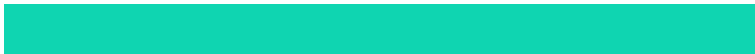
13.5100, 14.7268, 84.8559

Complementary

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



28.2089, 14.7268, 4.4877



31.9311, 50.8657, 49.7492

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.



8.3350, 14.7268, 69.2462



28.2089, 14.7268, 4.4877



4.8620, 14.7268, 14.6638

Square

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



28.2089, 14.7268, 4.4877



8.9543, 14.7268, 0.5981



5.6005, 14.7268, 39.0927



20.6481, 14.7268, 73.0593

Rectangle

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



28.2089, 14.7268, 4.4877



16.8200, 14.7268, 0.0928



5.6005, 14.7268, 39.0927



11.5096, 14.7268, 82.4855

Sweetspot

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



28.2092, 14.7277, 4.4879



68.3264, 59.3866, 60.4274



30.2461, 14.4594, 64.1470



13.9419, 11.6876, 11.6521



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.



28.2092, 14.7277, 4.4879



41.7396, 21.4598, 4.5607



30.2317, 19.5904, 2.6413



12.5145, 12.4573, 13.3834



17.0097, 8.7402, 2.0894



1.0541, 0.5384, 0.2745

Inverse Universe

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



28.2092, 14.7277, 4.4879



41.7396, 21.4598, 4.5607



23.1638, 26.8181, 66.9058



12.5145, 12.4573, 13.3834



17.0097, 8.7402, 2.0894



1.0541, 0.5384, 0.2745

Previews

White Background



This preview shows how the XYZ color 28.2089, 14.7268, 4.4877 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 28.2089, 14.7268, 4.4877 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 28.2089, 14.7268, 4.4877

Background



This preview shows how black text looks on a background with the XYZ color 28.2089, 14.7268, 4.4877.



This preview shows how white text looks on a background with the XYZ color 28.2089, 14.7268,

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

28.2089, 14.7268, 4.4877

Protanopia

14.0382, 15.0429, 9.1848

Deuteranopia

15.3534, 15.0747, 3.9342



Tritanopia

27.6166, 14.7393, 2.0055

Trichromacy



Original Color

28.2089, 14.7268, 4.4877

Protanomaly

16.4411, 11.9903, 6.9167

Deuteranomaly

17.9991, 12.5734, 3.7638

Tritanomaly

27.6669, 14.6323, 2.6624

Monochromacy



Original Color

28.2089, 14.7268, 4.4877

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

11.1620, 7.6618, 6.3594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2089, 14.7268, 4.4877 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(213, 15, 51)` looks like.

```
.text, #text, p{  
    color:rgb(213, 15, 51)  
}
```

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(213, 15, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 15, 51) }
```

Border

The CSS property to change the border of an element to XYZ 28.2089, 14.7268, 4.4877 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(213, 15, 51) }
```


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

```
.border{ border-color:rgb(213, 15, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 15, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 15, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 15, 51);  
box-shadow:4px 4px 4px 4px rgb(213, 15,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2089, 14.7268, 4.4877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 15, 51) }
```

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

```
.background{ background-color: rgb(213, 15,  
51) }
```

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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