

Converting Colors

XYZ(29.7227, 18.5971, 9.8759)

Have a look what the booklet for
XYZ(29.7227, 18.5971, 9.8759)
contains.

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Color

**XYZ(29.8150, 18.6387,
9.8108)**

Conversions

Conversions Part 1

Format	Color
Hex	D04851
RGB	208, 72, 81
RGB Percent	82%, 28%, 32%
CMY	0.1843, 0.7176, 0.6824
CMYK	0.00, 0.65, 0.61, 0.18
HSL	356°, 59%, 55%
HSV	356°, 65%, 82%
XYZ	29.8150, 18.6387, 9.8108
YIQ	113.6900, 78.1670, 31.6310

Conversions

Conversions Part 2

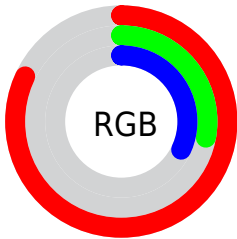
Format	Color
R_{YB}	208, 72, 81
Decimal	13650001
CIE Lab	50.26, 54.12, 24.58
CIE LCh	50, 59.441, 24.428
Yxy	18.6387, 0.5117, 0.3199
Android (android.graphics.Color)	4291840081 (0xFFD04851)
YUV	113.6900, -16.1162, 82.7099
Hunter-Lab	43.1726, 47.7202, 16.7474

Details

The XYZ color **29.8150, 18.6387, 9.8108** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **35.5386, 50.6134, 61.9336**, and the grayscale version is **15.9326, 16.7623, 18.2542**.

A 20% lighter version of the original color is **52.8586, 38.0504, 25.6776**, and **12.3666, 6.3366, 2.3216** is the 20% darker color. If you saturate the color by 10%, you get **28.0632, 16.1389, 6.1327**, and if you desaturate by 10%, it is **32.2308, 22.1333, 14.7382**.

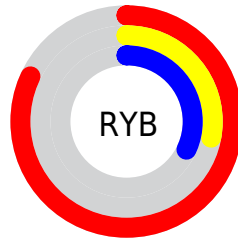
Distribution



Red (82%)

Green (28%)

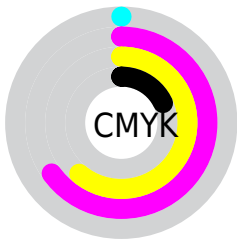
Blue (32%)



Red (82%)

Yellow (28%)

Blue (32%)

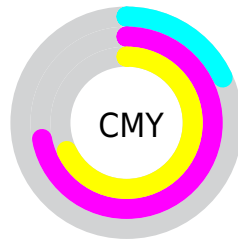


Cyan (0%)

Magenta (65%)

Yellow (61%)

Black (18%)



Cyan (18%)


Magenta (72%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8150, 18.6387, 9.8108 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 29.8150, 18.6387, 9.8108 by changing the saturation by 10% instead.


 29.8150, 18.6387,
9.8108


 29.8150, 18.6387,
9.8108


292.9665,
244.4469, 199.7518


 19.8456, 11.4095,
5.1697


 58.7581, 41.1227,
26.0412


 12.3905, 6.3430,
2.2867


 78.4625, 57.1463,
38.4677


 7.0843, 3.0547,
0.7238


 102.1427, 76.8701,
54.3264

 3.5617, 1.1604,
0.0000

 130.1639,
100.6786, 74.0358

 1.4573, 0.0290,
0.0000

 162.8915,
128.9561, 98.0145

 0.2965, 0.0000,
0.0000

200.6909,

 0.0000, 0.0000,

162.0871, 126.6811

0.0000

243.9275,
200.4558, 160.4540

■ 29.8150, 18.6387,
9.8108

■ 29.8150, 18.6387,
9.8108

■ 28.0632, 16.1389,
6.1327

■ 32.2308, 22.1333,
14.7382

■ 26.9076, 14.5275,
3.5906

■ 35.3666, 26.7087,
21.0128

■ 26.2685, 13.6792,
2.0522

■ 39.2742, 32.4453,
28.7240

■ 26.0899, 13.4409,
1.6260

■ 44.0003, 39.4147,
37.9529

■ 49.5876, 47.6831,
48.7748

■ 56.0760, 57.3117,
61.2600

■ 63.5031, 68.3580,
75.4746

■ 71.9040, 80.8761,
91.4809

■ 79.8223, 92.1498,
108.1874

Harmonies

Analogous

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



31.1618, 18.6387, 23.5281



29.8150, 18.6387, 9.8108



24.9603, 18.6387, 3.8945

Triad

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



29.8150, 18.6387, 9.8108



10.1559, 18.6387, 6.8816



16.6631, 18.6387, 70.9664

Complementary

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



29.8150, 18.6387, 9.8108



35.5386, 50.6134, 61.9336

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.



12.0287, 18.6387, 58.5027



29.8150, 18.6387, 9.8108



8.8298, 18.6387, 17.3714

Square

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



29.8150, 18.6387, 9.8108



13.5237, 18.6387, 2.9582



9.4326, 18.6387, 36.4154



22.6947, 18.6387, 64.9564

Rectangle

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



29.8150, 18.6387, 9.8108



20.8538, 18.6387, 2.5186



9.4326, 18.6387, 36.4154



14.9091, 18.6387, 68.6580

Sweetspot

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



29.8154, 18.6398, 9.8111



74.1409, 68.9690, 68.6751



37.2386, 21.3229, 61.8273



15.3410, 13.9808, 13.6752



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.



29.8154, 18.6398, 9.8111



43.7410, 24.5309, 8.1008



35.2902, 30.0938, 10.0810



11.8400, 11.8207, 12.4332



16.2736, 8.3823, 1.0808



0.9213, 0.4732, 0.1203

Inverse Universe

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



29.8154, 18.6398, 9.8111



43.7410, 24.5309, 8.1008



24.8168, 27.4492, 63.6645



11.8400, 11.8207, 12.4332



16.2736, 8.3823, 1.0808



0.9213, 0.4732, 0.1203

Previews

White Background



This preview shows how the XYZ color 29.8150, 18.6387, 9.8108 looks on a white 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

Black Background



This preview shows how the XYZ color 29.8150, 18.6387, 9.8108 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8150, 18.6387, 9.8108

Background



This preview shows how black text looks on a background with the XYZ color 29.8150, 18.6387, 9.8108.



This preview shows how white text looks on a background with the XYZ color 29.8150, 18.6387,

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

29.8150, 18.6387, 9.8108

Protanopia

17.8671, 18.9043, 15.2776

Deuteranopia

19.0438, 18.7756, 9.0989



Tritanopia

29.7345, 18.7108, 9.0655

Trichromacy



Original Color

29.8150, 18.6387, 9.8108

Protanomaly

20.5809, 17.5766, 12.8976

Deuteranomaly

21.9498, 17.7843, 9.2970

Tritanomaly

29.7701, 18.7250, 9.2530

Monochromacy



Original Color

29.8150, 18.6387, 9.8108

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

19.0729, 16.1789, 14.6880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8150, 18.6387, 9.8108 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(208, 72, 81)` looks like.

```
.text, #text, p{  
    color:rgb(208, 72, 81)  
}
```

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(208, 72, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 72, 81) }
```

Border

The CSS property to change the border of an element to XYZ 29.8150, 18.6387, 9.8108 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(208, 72, 81) }
```


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

```
.border{ border-color:rgb(208, 72, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 72, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 72, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 72, 81);  
box-shadow:4px 4px 4px 4px rgb(208, 72,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8150, 18.6387, 9.8108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 72, 81) }
```

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

```
.background{ background-color: rgb(208, 72,  
81) }
```

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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