

Converting Colors

XYZ(28.4733, 18.4573, 9.4672)

Have a look what the booklet for
XYZ(28.4733, 18.4573, 9.4672)
contains.

XYZ(28.4223, 18.4288, 9.4562)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.4223, 18.4288,
9.4562)**

Conversions

Conversions Part 1

Format	Color
Hex	CA4D4F
RGB	202, 77, 79
RGB Percent	79%, 30%, 31%
CMY	0.2078, 0.6980, 0.6902
CMYK	0.00, 0.62, 0.61, 0.21
HSL	359°, 54%, 55%
HSV	359°, 62%, 79%
XYZ	28.4223, 18.4288, 9.4562
YIQ	114.6030, 73.8580, 27.1220

Conversions

Conversions Part 2

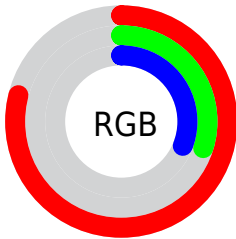
Format	Color
RYB	202, 77, 79
Decimal	13258063
CIELab	50.01, 49.82, 25.24
CIElCh	50, 55.853, 26.871
Yxy	18.4288, 0.5048, 0.3273
Android (android.graphics.Color)	4291448143 (0xFFCA4D4F)
YUV	114.6030, -17.5523, 76.6472
Hunter-Lab	42.9288, 43.0560, 16.9900

Details

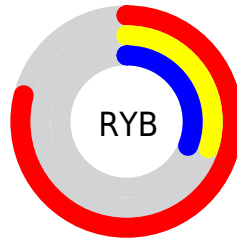
The XYZ color **28.4223, 18.4288, 9.4562** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **34.6077, 47.9895, 62.0865**, and the grayscale version is **16.2120, 17.0563, 18.5744**.

A 20% lighter version of the original color is **53.2526, 39.0511, 25.1530**, and **11.6440, 6.2427, 2.1814** is the 20% darker color. If you saturate the color by 10%, you get **26.6033, 15.7808, 5.7982**, and if you desaturate by 10%, it is **30.8972, 22.0428, 14.4001**.

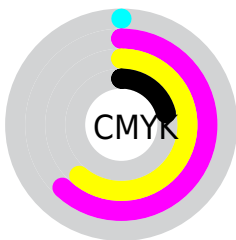
Distribution



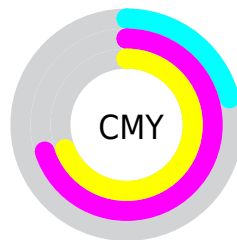
- Red (79%)
- Green (30%)
- Blue (31%)



- Red (79%)
- Yellow (30%)
- Blue (31%)



- Cyan (0%)
- Magenta (62%)
- Yellow (61%)
- Black (21%)





- Cyan (21%)
- Magenta (70%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4223, 18.4288, 9.4562 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 28.4223, 18.4288, 9.4562 by changing the saturation by 10% instead.


 28.4223, 18.4288,
9.4562


 28.4223, 18.4288,
9.4562


286.5230,
243.2770, 197.0873


 18.7863, 11.2583,
4.9391


 56.5619, 40.7666,
25.3591


 11.6191, 6.2408,
2.1534


 75.7962, 56.7028,
37.5820


 6.5552, 2.9921,
0.6473


 98.9607, 76.3295,
53.2106

 3.2294, 1.1276,
0.0000

 126.4207,
100.0313, 72.6633

 1.2762, 0.0013,
0.0000

 158.5416,
128.1926, 96.3589

 0.1653, 0.0000,
0.0000

195.6887,

 0.0000, 0.0000,

161.1977, 124.7156

0.0000

238.2274,
199.4310, 158.1523

■ 28.4223, 18.4288,
9.4562

■ 28.4223, 18.4288,
9.4562

■ 26.6033, 15.7808,
5.7982

■ 30.8972, 22.0428,
14.4001

■ 25.3767, 14.0035,
3.3062

■ 34.0811, 26.7003,
20.7335

■ 24.6691, 12.9876,
1.8393

■ 38.0228, 32.4744,
28.5503

■ 24.3747, 12.5636,
1.2328

■ 42.7668, 39.4308,
37.9362

■ 48.3540, 47.6302,
48.9700

■ 54.8225, 57.1291,
61.7257

■ 62.2081, 67.9804,
76.2724

■ 70.5447, 80.2342,
92.6756

■ 78.1670, 91.2965,
108.1099

Harmonies

Analogous

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



29.9662, 18.4288, 21.7216



28.4223, 18.4288, 9.4562



23.7797, 18.4288, 4.1009

Triad

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



28.4223, 18.4288, 9.4562



10.2200, 18.4288, 7.8639



16.9591, 18.4288, 66.3775

Complementary

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



28.4223, 18.4288, 9.4562



34.6077, 47.9895, 62.0865

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.



12.4619, 18.4288, 56.3646



28.4223, 18.4288, 9.4562



9.1033, 18.4288, 18.4964

Square

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



28.4223, 18.4288, 9.4562



13.2552, 18.4288, 3.5666



9.8320, 18.4288, 36.5988



22.6041, 18.4288, 59.6356

Rectangle

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



28.4223, 18.4288, 9.4562



19.9649, 18.4288, 2.8556



9.8320, 18.4288, 36.5988



15.2760, 18.4288, 64.7741

Sweetspot

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



28.4227, 18.4298, 9.4565



74.7459, 70.1887, 68.8467



37.1122, 21.8409, 58.1366



15.4462, 14.2127, 13.6442



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.



28.4227, 18.4298, 9.4565



44.2896, 25.6251, 8.2925



34.7024, 31.1035, 11.1971



11.2195, 11.2165, 11.6903



15.6880, 8.0858, 0.8098



0.8119, 0.4182, 0.0554

Inverse Universe

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



28.4227, 18.4298, 9.4565



44.2896, 25.6251, 8.2925



23.3334, 25.0656, 59.4853



11.2195, 11.2165, 11.6903



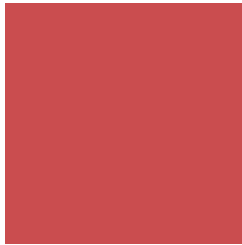
15.6880, 8.0858, 0.8098



0.8119, 0.4182, 0.0554

Previews

White Background



This preview shows how the XYZ color 28.4223, 18.4288, 9.4562 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 28.4223, 18.4288, 9.4562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

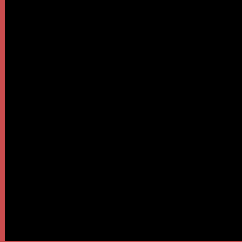
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.4223, 18.4288, 9.4562

Background



This preview shows how black text looks on a background with the XYZ color 28.4223, 18.4288, 9.4562.



This preview shows how white text looks on a background with the XYZ color 28.4223, 18.4288,

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

28.4223, 18.4288, 9.4562

Protanopia

17.5069, 18.5687, 13.9707

Deuteranopia

18.8970, 18.5354, 8.8850



Tritanopia

28.4962, 18.4584, 9.8455

Trichromacy



Original Color

28.4223, 18.4288, 9.4562

Protanomaly

20.1222, 17.5088, 11.9918

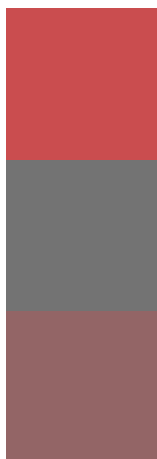
Deuteranomaly

21.6496, 17.9224, 8.9749

Tritanomaly

28.4590, 18.4435, 9.6494

Monochromacy



Original Color

28.4223, 18.4288, 9.4562

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

19.0846, 16.4697, 14.7435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4223, 18.4288, 9.4562 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(202, 77, 79)` looks like.

```
.text, #text, p{  
    color:rgb(202, 77, 79)  
}
```

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(202, 77, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 77, 79) }
```

Border

The CSS property to change the border of an element to XYZ 28.4223, 18.4288, 9.4562 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(202, 77, 79) }
```


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

```
.border{ border-color:rgb(202, 77, 79) }
```

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

Here you see how a box with a 4 pixel rgb(202, 77, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 77, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 77, 79);  
box-shadow:4px 4px 4px 4px rgb(202, 77,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4223, 18.4288, 9.4562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 77, 79) }
```

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

```
.background{ background-color: rgb(202, 77,  
79) }
```

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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