

Converting Colors

XYZ(27.4415, 14.9753, 7.3307)

Have a look what the booklet for
XYZ(27.4415, 14.9753, 7.3307)
contains.

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Color

**XYZ(27.5310, 15.0435,
7.4139)**

Conversions

Conversions Part 1

Format	Color
Hex	CF2547
RGB	207, 37, 71
RGB Percent	81%, 15%, 28%
CMY	0.1882, 0.8548, 0.7216
CMYK	0.00, 0.82, 0.66, 0.19
HSL	348°, 70%, 48%
HSV	348°, 82%, 81%
XYZ	27.5310, 15.0435, 7.4139
YIQ	91.7060, 90.4060, 46.6140

Conversions

Conversions Part 2

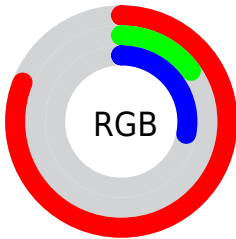
Format	Color
RYB	207, 37, 71
Decimal	13575495
CIELab	45.69, 64.90, 24.70
CIElCh	46, 69.444, 20.834
Yxy	15.0435, 0.5507, 0.3009
Android (android.graphics.Color)	4291765575 (0xFFCF2547)
YUV	91.7060, -10.2081, 101.1128
Hunter-Lab	38.7860, 58.8273, 15.8169

Details

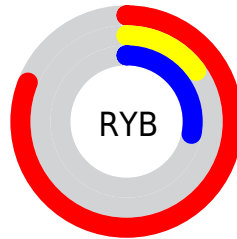
The XYZ color **27.5310, 15.0435, 7.4139** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark muted red. A complement of this color would be **30.6205, 48.0366, 47.2012**, and the grayscale version is **10.1150, 10.6418, 11.5889**.

A 20% lighter version of the original color is **49.2235, 31.8993, 21.0156**, and **11.8867, 6.1036, 1.6502** is the 20% darker color. If you saturate the color by 10%, you get **26.5981, 13.9158, 4.8285**, and if you desaturate by 10%, it is **28.9741, 16.9603, 10.8842**.

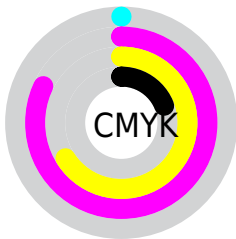
Distribution



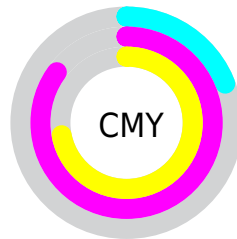
- Red (81%)
- Green (15%)
- Blue (28%)



- Red (81%)
- Yellow (15%)
- Blue (28%)



- Cyan (0%)
- Magenta (82%)
- Yellow (66%)
- Black (19%)





- Cyan (19%)
- Magenta (85%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5310, 15.0435, 7.4139 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 27.5310, 15.0435, 7.4139 by changing the saturation by 10% instead.


 27.5310, 15.0435,
7.4139

 27.5310, 15.0435,
7.4139


282.3399,
223.6294, 180.8193


 18.1111, 8.8499,
3.6399


 55.1487, 34.9295,
21.3280


 11.1299, 4.6434,
1.4300


 74.0771, 49.3907,
32.3053

 6.2222, 2.0396,
0.1649


 96.9058, 67.3765,
46.5207

 3.0226, 0.6303,
0.0000

 124.0001, 89.2714,
64.3928

 1.1657, 0.0000,
0.0000

 155.7252,
115.4597, 86.3402

 0.0791, 0.0000,
0.0000

 192.4467,

 0.0000, 0.0000,

146.3259, 112.7814

0.0000

234.5298,
182.2543, 144.1349

■ 27.5310, 15.0435,
7.4139

■ 27.5310, 15.0435,
7.4139

■ 26.5981, 13.9158,
4.8285

■ 28.9741, 16.9603,
10.8842

■ 26.1389, 13.4281,
3.3474

■ 30.9910, 19.7755,
15.3133

■ 33.6367, 23.5838,
20.7673

■ 36.9594, 28.4674,
27.3065

■ 41.0024, 34.4994,
34.9861

■ 45.8053, 41.7470,
43.8575

■ 51.4050, 50.2718,
53.9691

■ 57.8356, 60.1314,
65.3664

■ 65.1296, 71.3799,
78.0927

Harmonies

Analogous

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



28.4534, 15.0435, 22.0398



27.5310, 15.0435, 7.4139



22.6041, 15.0435, 1.9725

Triad

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



27.5310, 15.0435, 7.4139



7.2531, 15.0435, 3.3244



12.5873, 15.0435, 72.8507

Complementary

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



27.5310, 15.0435, 7.4139



30.6205, 48.0366, 47.2012

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.



8.3264, 15.0435, 55.9682



27.5310, 15.0435, 7.4139



5.8456, 15.0435, 11.7826

Square

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



27.5310, 15.0435, 7.4139



10.6728, 15.0435, 0.9703



6.1763, 15.0435, 30.6448



18.6641, 15.0435, 68.3799

Rectangle

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



27.5310, 15.0435, 7.4139



18.3003, 15.0435, 0.9219



6.1763, 15.0435, 30.6448



10.9271, 15.0435, 69.2119

Sweetspot

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



27.5314, 15.0444, 7.4141



70.8239, 62.9901, 65.5492



29.1587, 14.7137, 60.3342



14.5731, 12.5981, 12.9477



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.



27.5314, 15.0444, 7.4141



41.9108, 21.5726, 5.3257



29.5568, 20.3803, 4.1276



11.9040, 11.8463, 12.7703



16.4961, 8.4713, 2.2525



0.9512, 0.4852, 0.2778

Inverse Universe

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



27.5314, 15.0444, 7.4141



41.9108, 21.5726, 5.3257



23.9152, 28.6770, 63.3058



11.9040, 11.8463, 12.7703



16.4961, 8.4713, 2.2525



0.9512, 0.4852, 0.2778

Previews

White Background



This preview shows how the XYZ color 27.5310, 15.0435, 7.4139 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 27.5310, 15.0435, 7.4139 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 27.5310, 15.0435, 7.4139

Background



This preview shows how black text looks on a background with the XYZ color 27.5310, 15.0435, 7.4139.



This preview shows how white text looks on a background with the XYZ color 27.5310, 15.0435,

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

27.5310, 15.0435, 7.4139

Protanopia

14.5308, 15.3488, 14.0011

Deuteranopia

15.4927, 15.2350, 6.6815



Tritanopia

26.7721, 15.0314, 3.8732

Trichromacy



Original Color

27.5310, 15.0435, 7.4139

Protanomaly

16.9291, 13.1108, 11.0896

Deuteranomaly

18.3200, 13.5926, 6.6591

Tritanomaly

26.9124, 14.9740, 4.9619

Monochromacy



Original Color

27.5310, 15.0435, 7.4139

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

13.7491, 10.3432, 9.6593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5310, 15.0435, 7.4139 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(207, 37, 71)` looks like.

```
.text, #text, p{  
    color:rgb(207, 37, 71)  
}
```

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(207, 37, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 37, 71) }
```

Border

The CSS property to change the border of an element to XYZ 27.5310, 15.0435, 7.4139 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(207, 37, 71) }
```


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

```
.border{ border-color:rgb(207, 37, 71) }
```

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

Here you see how a box with a 4 pixel rgb(207, 37, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 37, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 37, 71);  
box-shadow:4px 4px 4px 4px rgb(207, 37,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5310, 15.0435, 7.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 37, 71) }
```

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

```
.background{ background-color: rgb(207, 37,  
71) }
```

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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