

Converting Colors

XYZ(28.2069, 15.8440, 4.7035)

Have a look what the booklet for
XYZ(28.2069, 15.8440, 4.7035)
contains.

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Color

**XYZ(28.1143, 15.8174,
4.7032)**

Conversions

Conversions Part 1

Format	Color
Hex	D22D33
RGB	210, 45, 51
RGB Percent	82%, 18%, 20%
CMY	0.1765, 0.8235, 0.8000
CMYK	0.00, 0.79, 0.76, 0.18
HSL	358°, 65%, 50%
HSV	358°, 79%, 82%
XYZ	28.1143, 15.8174, 4.7032
YIQ	95.0190, 96.4140, 36.8460

Conversions

Conversions Part 2

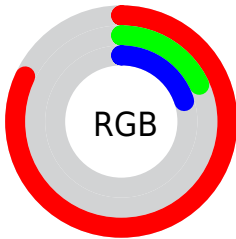
Format	Color
RYB	210, 45, 51
Decimal	13774131
CIELab	46.73, 62.74, 37.99
CIElCh	47, 73.344, 31.195
Yxy	15.8174, 0.5781, 0.3252
Android (android.graphics.Color)	4291964211 (0xFFD22D33)
YUV	95.0190, -21.7014, 100.8383
Hunter-Lab	39.7711, 56.5827, 20.8283

Details

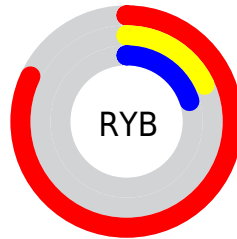
The XYZ color **28.1143, 15.8174, 4.7032** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **35.0298, 51.0114, 65.1345**, and the grayscale version is **10.9173, 11.4858, 12.5080**.

A 20% lighter version of the original color is **48.5986, 32.4499, 15.2573**, and **12.0710, 6.2184, 0.7651** is the 20% darker color. If you saturate the color by 10%, you get **27.1493, 14.4531, 2.6387**, and if you desaturate by 10%, it is **29.6722, 18.0575, 7.9229**.

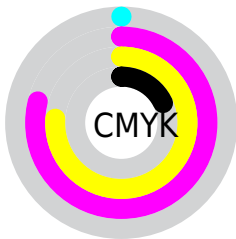
Distribution



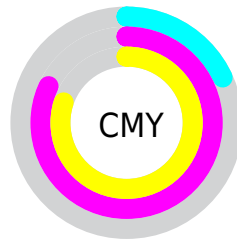
- Red (82%)
- Green (18%)
- Blue (20%)



- Red (82%)
- Yellow (18%)
- Blue (20%)



- Cyan (0%)
- Magenta (79%)
- Yellow (76%)
- Black (18%)





- Cyan (18%)
- Magenta (82%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1143, 15.8174, 4.7032 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 28.1143, 15.8174, 4.7032 by changing the saturation by 10% instead.


 28.1143, 15.8174,
4.7032


 28.1143, 15.8174,
4.7032


285.0829,
228.2618, 155.7472


 18.5527, 9.3950,
2.0185


 56.0742, 36.2809,
15.6016


 11.4496, 4.9997,
0.5666


 75.2033, 51.0908,
24.6523


 6.4396, 2.2471,
0.0000


 98.2523, 69.4654,
36.6622

 3.1574, 0.7455,
0.0000

 125.5865, 91.7890,
52.0498

 1.2375, 0.0000,
0.0000

 157.5713,
118.4461, 71.2335

 0.1357, 0.0000,
0.0000

 194.5721,

 0.0000, 0.0000,

149.8210, 94.6320

0.0000

236.9541,
186.2981, 122.6637

■ 28.1143, 15.8174,
4.7032

■ 28.1143, 15.8174,
4.7032

■ 27.1493, 14.4531,
2.6387

■ 29.6722, 18.0575,
7.9229

■ 26.6686, 13.7901,
1.5585


■ 31.8964, 21.2836,
12.4326


■ 26.6200, 13.7183,
1.4637

■ 34.8509, 25.5929,
18.3489


■ 38.5917, 31.0701,
25.7756

■ 43.1697, 37.7916,
34.8065

 48.6311, 45.8273,
45.5278

 55.0190, 55.2418,
58.0196

 62.3737, 66.0957,
72.3568

 70.7328, 78.4457,
88.6102

Harmonies

Analogous

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



30.8812, 15.8174, 16.5023



28.1143, 15.8174, 4.7032



21.7324, 15.8174, 1.1510

Triad

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



28.1143, 15.8174, 4.7032



6.6603, 15.8174, 5.2561



15.2905, 15.8174, 81.3636

Complementary

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



28.1143, 15.8174, 4.7032



35.0298, 51.0114, 65.1345

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.



9.8763, 15.8174, 69.7773



28.1143, 15.8174, 4.7032



5.8202, 15.8174, 17.9633

Square

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



28.1143, 15.8174, 4.7032



9.5462, 15.8174, 1.2755



6.8096, 15.8174, 42.4884



22.3020, 15.8174, 67.9374

Rectangle

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



28.1143, 15.8174, 4.7032



16.9855, 15.8174, 0.5660



6.8096, 15.8174, 42.4884



13.2380, 15.8174, 80.2278

Sweetspot

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



28.1147, 15.8184, 4.7034



70.4535, 63.7411, 60.8270



36.8613, 19.0526, 62.7072



14.4536, 12.7221, 11.7885



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.



28.1147, 15.8184, 4.7034



41.5799, 21.6761, 2.8565



33.6796, 27.1460, 5.9485



11.8259, 11.8151, 12.3589



16.2459, 8.3712, 0.9349



0.9146, 0.4706, 0.0851

Inverse Universe

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



28.1147, 15.8184, 4.7034



41.5799, 21.6761, 2.8565



21.4854, 22.7509, 64.2315



11.8259, 11.8151, 12.3589



16.2459, 8.3712, 0.9349



0.9146, 0.4706, 0.0851

Previews

White Background



This preview shows how the XYZ color 28.1143, 15.8174, 4.7032 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 28.1143, 15.8174, 4.7032 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 28.1143, 15.8174, 4.7032

Background



This preview shows how black text looks on a background with the XYZ color 28.1143, 15.8174, 4.7032.



This preview shows how white text looks on a background with the XYZ color 28.1143, 15.8174,

4.7032.

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

28.1143, 15.8174, 4.7032

Protanopia

14.8490, 16.1212, 8.4600

Deuteranopia

16.1845, 15.9502, 4.2332



Tritanopia

28.0485, 15.8529, 4.1664

Trichromacy



Original Color

28.1143, 15.8174, 4.7032

Protanomaly

17.5520, 14.1219, 6.6512

Deuteranomaly

19.1420, 14.5218, 4.1770

Tritanomaly

28.0888, 15.8690, 4.3789

Monochromacy



Original Color

28.1143, 15.8174, 4.7032

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

14.3817, 11.1906, 8.7991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1143, 15.8174, 4.7032 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(210, 45, 51)` looks like.

```
.text, #text, p{  
    color:rgb(210, 45, 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(210, 45, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 45, 51) }
```

Border

The CSS property to change the border of an element to XYZ 28.1143, 15.8174, 4.7032 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(210, 45, 51) }
```


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

```
.border{ border-color:rgb(210, 45, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 45, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 45, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 45, 51);  
box-shadow:4px 4px 4px 4px rgb(210, 45,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1143, 15.8174, 4.7032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 45, 51) }
```

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

```
.background{ background-color: rgb(210, 45,  
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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