

Converting Colors

XYZ(27.7425, 15.1520, 3.0374)

Have a look what the booklet for
XYZ(27.7425, 15.1520, 3.0374)
contains.

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Color

**XYZ(27.7684, 15.1723,
3.0551)**

Conversions

Conversions Part 1

Format	Color
Hex	D32323
RGB	211, 35, 35
RGB Percent	83%, 14%, 14%
CMY	0.1726, 0.8627, 0.8627
CMYK	0.00, 0.83, 0.83, 0.17
HSL	0°, 72%, 48%
HSV	0°, 83%, 83%
XYZ	27.7684, 15.1723, 3.0551
YIQ	87.6240, 104.8960, 37.3120

Conversions

Conversions Part 2

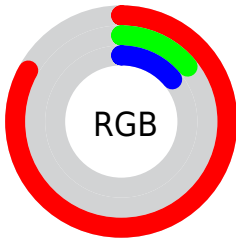
Format	Color
R _Y B	211, 35, 35
Decimal	13837091
CIE Lab	45.87, 65.09, 45.90
CIE LCh	46, 79.649, 35.187
Yxy	15.1723, 0.6037, 0.3299
Android (android.graphics.Color)	4292027171 (0xFFD32323)
YUV	87.6240, -25.9436, 108.2008
Hunter-Lab	38.9516, 59.0863, 22.6158

Details

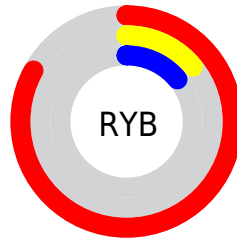
The XYZ color **27.7684, 15.1723, 3.0551** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **35.7409, 51.6403, 69.7115**, and the grayscale version is **9.2343, 9.7152, 10.5799**.

A 20% lighter version of the original color is **47.3202, 30.9835, 11.4690**, and **12.0326, 6.2030, 0.5631** is the 20% darker color. If you saturate the color by 10%, you get **27.0983, 14.1922, 1.7231**, and if you desaturate by 10%, it is **28.9998, 16.9749, 5.5023**.

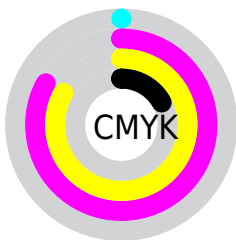
Distribution



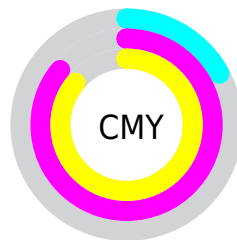
- Red (83%)
- Green (14%)
- Blue (14%)



- Red (83%)
- Yellow (14%)
- Blue (14%)



- Cyan (0%)
- Magenta (83%)
- Yellow (83%)
- Black (17%)





- Cyan (17%)
- Magenta (86%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7684, 15.1723, 3.0551 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 27.7684, 15.1723, 3.0551 by changing the saturation by 10% instead.

 27.7684, 15.1723,
3.0551


 27.7684, 15.1723,
3.0551


283.4588,
224.4068, 137.0593


 18.2907, 8.9404,
1.1228


 55.5257, 35.1552,
11.7641


 11.2599, 4.7023,
0.0000


 74.5360, 49.6749,
19.3779

 6.3105, 2.0737,
0.0000


 97.4546, 67.7261,
29.7227

 3.0772, 0.6498,
0.0000

 124.6468, 89.6930,
43.2169

 1.1947, 0.0000,
0.0000

 156.4780,
115.9602, 60.2791


 0.1022, 0.0000,
0.0000


 193.3134,


 0.0000, 0.0000,


146.9119, 81.3279


0.0000


 235.5186,
182.9326, 106.7818


 27.7684, 15.1723,
3.0551


 27.7684, 15.1723,
3.0551


 27.0983, 14.1922,
1.7231


 28.9998, 16.9749,
5.5023

 26.8640, 13.8492,
1.2573

 30.8793, 19.7251,
9.2382

 33.4795, 23.5301,
14.4070

 36.8633, 28.4816,
21.1337

 41.0868, 34.6618,
29.5297

■ 46.2008, 42.1450,
39.6962

■ 52.2521, 50.9998,
51.7263

■ 59.2845, 61.2900,
65.7067

■ 67.3386, 73.0753,
81.7186

Harmonies

Analogous

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



31.4962, 15.1723, 13.3953



27.7684, 15.1723, 3.0551



20.5514, 15.1723, 0.4747

Triad

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



27.7684, 15.1723, 3.0551



5.5847, 15.1723, 5.3484



15.6208, 15.1723, 87.5717

Complementary

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



27.7684, 15.1723, 3.0551



35.7409, 51.6403, 69.7115

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.



9.6496, 15.1723, 78.0165



27.7684, 15.1723, 3.0551



5.0007, 15.1723, 20.0964

Square

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



27.7684, 15.1723, 3.0551



8.1830, 15.1723, 0.9782



6.2286, 15.1723, 48.3351



23.2216, 15.1723, 68.9735

Rectangle

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



27.7684, 15.1723, 3.0551



15.5324, 15.1723, 0.0000



6.2286, 15.1723, 48.3351



13.3636, 15.1723, 87.6357

Sweetspot

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



27.7687, 15.1732, 3.0553



69.3582, 62.4060, 57.8246



39.2226, 19.7540, 63.3733



14.2343, 12.4630, 11.1617



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.



27.7687, 15.1732, 3.0553



41.2403, 21.2605, 1.9301



34.2501, 28.1361, 5.2158



11.8089, 11.8084, 12.2689



16.2126, 8.3581, 0.7588



0.9065, 0.4674, 0.0424

Inverse Universe

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



35.7409, 51.6403, 69.7115



53.8022, 78.7244, 106.9674



19.5339, 19.2264, 64.3091



12.1583, 13.4069, 15.1906



21.1510, 30.9485, 42.0514



1.1827, 1.7305, 2.3513

Previews

White Background



This preview shows how the XYZ color 27.7684, 15.1723, 3.0551 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 27.7684, 15.1723, 3.0551 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 27.7684, 15.1723, 3.0551

Background



This preview shows how black text looks on a background with the XYZ color 27.7684, 15.1723, 3.0551.



This preview shows how white text looks on a background with the XYZ color 27.7684, 15.1723,

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

27.7684, 15.1723, 3.0551

Protanopia

14.1269, 15.4832, 5.7340

Deuteranopia

15.6704, 15.4187, 2.5309



Tritanopia

27.7537, 15.1664, 2.9780

Trichromacy



Original Color

27.7684, 15.1723, 3.0551

Protanomaly

16.9328, 13.2618, 4.3566

Deuteranomaly

18.4484, 13.6454, 2.3710

Tritanomaly

27.7537, 15.1664, 2.9780

Monochromacy



Original Color

27.7684, 15.1723, 3.0551

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

12.8752, 9.6725, 6.8186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7684, 15.1723, 3.0551 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(211, 35, 35)` looks like.

```
.text, #text, p{  
    color:rgb(211, 35, 35)  
}
```

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(211, 35, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 35, 35) }
```

Border

The CSS property to change the border of an element to XYZ 27.7684, 15.1723, 3.0551 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(211, 35, 35) }
```


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

```
.border{ border-color:rgb(211, 35, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 35, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 35, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 35, 35);  
box-shadow:4px 4px 4px 4px rgb(211, 35,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7684, 15.1723, 3.0551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 35, 35) }
```

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

```
.background{ background-color: rgb(211, 35,  
35) }
```

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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