

Converting Colors

XYZ(27.8324, 14.4111, 1.3147)

Have a look what the booklet for
XYZ(27.8324, 14.4111, 1.3147)
contains.

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Color

**XYZ(27.7750, 14.3830,
1.3123)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D60400 |
| RGB | 214, 4, 0 |
| RGB Percent | 84%, 2%, 0% |
| CMY | 0.1608, 0.9841, 1.0000 |
| CMYK | 0.00, 0.98, 1.00, 0.16 |
| HSL | 1°, 100%, 42% |
| HSV | 1°, 100%, 84% |
| XYZ | 27.7750, 14.3830, 1.3123 |
| YIQ | 66.3340, 126.4440, 43.2760 |

Conversions

Conversions Part 2

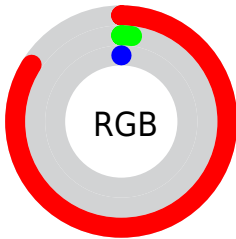
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 214, 4, 0 |
| Decimal | 14025728 |
| CIELab | 44.78, 69.83, 58.93 |
| CIELCh | 45, 91.373, 40.164 |
| Yxy | 14.3830, 0.6389, 0.3309 |
| Android (android.graphics.Color) | 4292215808 (0xFFD60400) |
| YUV | 66.3340, -32.7027, 129.5031 |
| Hunter-Lab | 37.9249, 64.3591, 24.4959 |

Details

The XYZ color **27.7750, 14.3830, 1.3123** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **35.1722, 50.9243, 71.5935**, and the grayscale version is **5.2703, 5.5447, 6.0382**.

A 20% lighter version of the original color is **45.3956, 28.5058, 6.5996**, and **12.2127, 6.2959, 0.5715** is the 20% darker color. If you saturate the color by 10%, you get **27.7753, 14.3839, 1.3125**, and if you desaturate by 10%, it is **28.2190, 15.0488, 2.1465**.

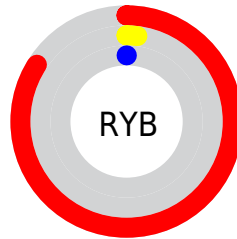
Distribution



Red (84%)

Green (2%)

Blue (0%)



Red (84%)

Yellow (2%)

Blue (0%)

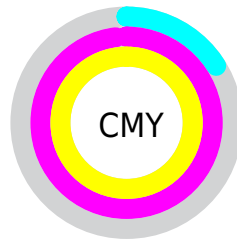


Cyan (0%)

Magenta (98%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (98%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7750, 14.3830, 1.3123 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 27.7750, 14.3830, 1.3123 by changing the saturation by 10% instead.


 27.7750, 14.3830,
1.3123


 27.7750, 14.3830,
1.3123


 283.4898,
219.6006, 110.5698


 18.2957, 8.3875,
0.0718


 55.5362, 33.7671,
7.0572


 11.2635, 4.3439,
0.0000


 74.5488, 47.9245,
12.6457

 6.3129, 1.8677,
0.0000


 97.4698, 65.5713,
20.6030

 3.0787, 0.5289,
0.0000

 124.6648, 87.0919,
31.3476

 1.1955, 0.0000,
0.0000

 156.4988,
112.8708, 45.2980

 0.1028, 0.0000,
0.0000


 193.3375,


 0.0000, 0.0000,


143.2923, 62.8728


0.0000


 235.5460,
178.7408, 84.4906


 27.7750, 14.3830,
1.3123


 27.7750, 14.3830,
1.3123


 27.7753, 14.3839,
1.3125

 28.2190, 15.0488,
2.1465

 29.1423, 16.4260,
3.9010

 30.6717, 18.6869,
6.8709

 32.8872, 21.9458,
11.2226

 35.8565, 26.3001,
17.0967

■ 39.6393, 31.8357,
24.6163

■ 44.2893, 38.6297,
33.8921

■ 49.8556, 46.7529,
45.0249

■ 56.3836, 56.2708,
58.1084

Harmonies

Analogous

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



33.1379, 14.3830, 9.4869



27.7750, 14.3830, 1.3123



19.1219, 14.3830, 0.0000

Triad

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



27.7750, 14.3830, 1.3123



4.1468, 14.3830, 5.4667



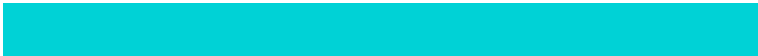
16.3533, 14.3830, 100.4975

Complementary

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



27.7750, 14.3830, 1.3123



35.1722, 50.9243, 71.5935

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.



9.3684, 14.3830, 94.4488



27.7750, 14.3830, 1.3123



3.8713, 14.3830, 24.0591

Square

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



27.7750, 14.3830, 1.3123



6.3644, 14.3830, 0.5155



5.3939, 14.3830, 59.7295



25.1278, 14.3830, 72.4646

Rectangle

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



27.7750, 14.3830, 1.3123



13.6298, 14.3830, 0.0000



5.3939, 14.3830, 59.7295



13.7115, 14.3830, 102.7332

Sweetspot

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



27.7753, 14.3839, 1.3125



65.6367, 57.1156, 49.9481



39.4182, 18.9708, 62.8399



13.3876, 11.2591, 9.3707



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.



27.7753, 14.3839, 1.3125



41.2924, 21.3647, 1.9475



33.3686, 25.5706, 3.1769



12.4419, 12.4580, 12.9096



16.7970, 8.7112, 0.7961



1.0199, 0.5390, 0.0503

Inverse Universe

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



35.1722, 50.9243, 71.5935



52.2906, 75.7011, 106.4635



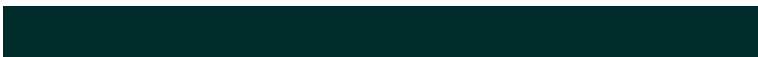
17.0310, 14.6420, 65.5464



12.7711, 14.0657, 15.9794



21.2687, 30.7991, 43.2770



1.2894, 1.8708, 2.6124

Previews

White Background



This preview shows how the XYZ color 27.7750, 14.3830, 1.3123 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 27.7750, 14.3830, 1.3123 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 27.7750, 14.3830, 1.3123

Background



This preview shows how black text looks on a background with the XYZ color 27.7750, 14.3830, 1.3123.



This preview shows how white text looks on a background with the XYZ color 27.7750, 14.3830,

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

27.7750, 14.3830, 1.3123

Protanopia

13.4573, 14.8739, 3.2603

Deuteranopia

15.0036, 14.9347, 2.0919



Tritanopia

27.4015, 14.4974, 1.3540

Trichromacy



Original Color

27.7750, 14.3830, 1.3123

Protanomaly

15.8169, 11.3926, 1.9376

Deuteranomaly

17.3170, 11.9068, 1.3855

Tritanomaly

27.5976, 14.4602, 1.3365

Monochromacy



Original Color

27.7750, 14.3830, 1.3123

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

9.0275, 5.8880, 2.8512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7750, 14.3830, 1.3123 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(214, 4, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 4, 0)  
}
```

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(214, 4, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 4, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.7750, 14.3830, 1.3123 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(214, 4, 0) }
```


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

```
.border{ border-color:rgb(214, 4, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 4, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 4, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(214, 4, 0); box-shadow:4px  
4px 4px 4px rgb(214, 4, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7750, 14.3830, 1.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 4, 0) }
```

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

```
.background{ background-color: rgb(214, 4,  
0) }
```

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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