

Converting Colors

XYZ(27.5136, 14.7731, 2.6297)

Have a look what the booklet for
XYZ(27.5136, 14.7731, 2.6297)
contains.

XYZ(27.5136, 14.7731, 2.6297)	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(27.5136, 14.7731,
2.6297)**

Conversions

Conversions Part 1

Format	Color
Hex	D31C1E
RGB	211, 28, 30
RGB Percent	83%, 11%, 12%
CMY	0.1726, 0.8901, 0.8823
CMYK	0.00, 0.87, 0.86, 0.17
HSL	359°, 77%, 47%
HSV	359°, 87%, 83%
XYZ	27.5136, 14.7731, 2.6297
YIQ	82.9450, 108.4260, 39.4180

Conversions

Conversions Part 2

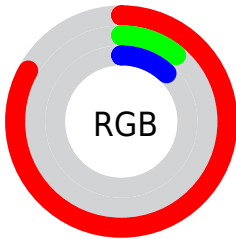
Format	Color
RYB	211, 28, 30
Decimal	13835294
CIELab	45.32, 66.44, 47.92
CIElCh	45, 81.913, 35.800
Yxy	14.7731, 0.6126, 0.3289
Android (android.graphics.Color)	4292025374 (0xFFD31C1E)
YUV	82.9450, -26.1019, 112.3042
Hunter-Lab	38.4358, 60.5135, 22.8486

Details

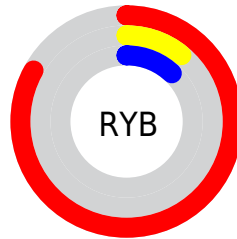
The XYZ color **27.5136, 14.7731, 2.6297** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **35.2845, 51.4398, 68.4030**, and the grayscale version is **8.2488, 8.6783, 9.4507**.

A 20% lighter version of the original color is **46.7624, 30.1616, 10.3783**, and **12.0326, 6.2030, 0.5631** is the 20% darker color. If you saturate the color by 10%, you get **26.9890, 14.0190, 1.5456**, and if you desaturate by 10%, it is **28.5619, 16.2934, 4.7568**.

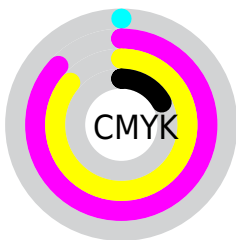
Distribution



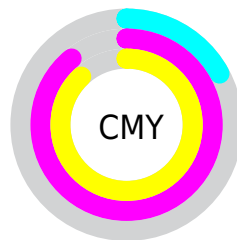
- Red (83%)
- Green (11%)
- Blue (12%)



- Red (83%)
- Yellow (11%)
- Blue (12%)



- Cyan (0%)
- Magenta (87%)
- Yellow (86%)
- Black (17%)





- Cyan (17%)
- Magenta (89%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5136, 14.7731, 2.6297 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 27.5136, 14.7731, 2.6297 by changing the saturation by 10% instead.


 27.5136, 14.7731,
2.6297


 27.5136, 14.7731,
2.6297


282.2578,
221.9887, 131.4948


 18.0979, 8.6603,
0.9077


 55.1210, 34.4546,
10.7002


 11.1204, 4.5203,
0.0000


 74.0435, 48.7922,
17.8868

 6.2158, 1.9686,
0.0000


 96.8655, 66.6400,
27.7325

 3.0186, 0.5892,
0.0000

 123.9526, 88.3827,
40.6557

 1.1636, 0.0000,
0.0000

 155.6700,
114.4045, 57.0750


 0.0774, 0.0000,
0.0000


 192.3831,


 0.0000, 0.0000,


145.0898, 77.4089


0.0000


 234.4572,
180.8231, 102.0760


 27.5136, 14.7731,
2.6297

 27.5136, 14.7731,
2.6297


 26.9890, 14.0190,
1.5456


 28.5619, 16.2934,
4.7568

 26.8763, 13.8538,
1.3231

 30.2292, 18.7213,
8.1076

 32.5912, 22.1694,
12.8283

 35.7126, 26.7334,
19.0448

 39.6509, 32.4979,
26.8686

■ 44.4578, 39.5396,
36.4007

■ 50.1809, 47.9285,
47.7336

■ 56.8643, 57.7297,
60.9533

■ 64.5491, 69.0040,
76.1405

Harmonies

Analogous

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



31.4448, 14.7731, 12.5951



27.5136, 14.7731, 2.6297



20.1012, 14.7731, 0.2395

Triad

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



27.5136, 14.7731, 2.6297



5.1828, 14.7731, 5.1118



15.4024, 14.7731, 89.3172

Complementary

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



27.5136, 14.7731, 2.6297



35.2845, 51.4398, 68.4030

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.



9.3411, 14.7731, 79.9622



27.5136, 14.7731, 2.6297



4.6466, 14.7731, 20.1673

Square

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



27.5136, 14.7731, 2.6297



7.7057, 14.7731, 0.8183



5.8918, 14.7731, 49.3642



23.1457, 14.7731, 69.4539

Rectangle

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



27.5136, 14.7731, 2.6297



15.0193, 14.7731, 0.0000



5.8918, 14.7731, 49.3642



13.1069, 14.7731, 89.6029

Sweetspot

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



27.5139, 14.7740, 2.6299



68.6039, 61.2185, 56.5827



38.1719, 18.9372, 63.2710



14.0929, 12.2371, 10.9395



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.



27.5139, 14.7740, 2.6299



41.2551, 21.2660, 2.0096



33.3723, 26.5299, 4.4618



11.8139, 11.8103, 12.2957



16.2224, 8.3618, 0.8113



0.9089, 0.4683, 0.0552

Inverse Universe

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



27.5139, 14.7740, 2.6299



41.2551, 21.2660, 2.0096



19.2657, 19.0072, 64.2810



11.8139, 11.8103, 12.2957



16.2224, 8.3618, 0.8113



0.9089, 0.4683, 0.0552

Previews

White Background



This preview shows how the XYZ color 27.5136, 14.7731, 2.6297 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



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 27.5136, 14.7731, 2.6297

Background



This preview shows how black text looks on a background with the XYZ color 27.5136, 14.7731, 2.6297.



This preview shows how white text looks on a background with the XYZ color 27.5136, 14.7731,

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

27.5136, 14.7731, 2.6297

Protanopia

13.7479, 15.1437, 4.9948

Deuteranopia

15.1668, 15.0189, 2.0996



Tritanopia

27.4788, 14.7978, 2.3277

Trichromacy



Original Color

27.5136, 14.7731, 2.6297

Protanomaly

16.4058, 12.6697, 3.6786

Deuteranomaly

17.9547, 13.0856, 1.8961

Tritanomaly

27.5012, 14.8067, 2.4454

Monochromacy



Original Color

27.5136, 14.7731, 2.6297

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

11.9088, 8.6710, 5.8965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5136, 14.7731, 2.6297 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, 28, 30)` looks like.

```
.text, #text, p{  
    color:rgb(211, 28, 30)  
}
```

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, 28, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 28, 30) }
```

Border

The CSS property to change the border of an element to XYZ 27.5136, 14.7731, 2.6297 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, 28, 30) }
```


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

```
.border{ border-color:rgb(211, 28, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 28, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 28, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 28, 30);  
box-shadow:4px 4px 4px 4px rgb(211, 28,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5136, 14.7731, 2.6297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 28, 30) }
```

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

```
.background{ background-color: rgb(211, 28,  
30) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor