

Converting Colors

XYZ(27.8600, 14.7375, 4.9907)

Have a look what the booklet for
XYZ(27.8600, 14.7375, 4.9907)
contains.

XYZ(27.8600, 14.7375, 4.9907)	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(27.8600, 14.7375,
4.9907)**

Conversions

Conversions Part 1

Format	Color
Hex	D31737
RGB	211, 23, 55
RGB Percent	83%, 9%, 22%
CMY	0.1726, 0.9097, 0.7843
CMYK	0.00, 0.89, 0.74, 0.17
HSL	350°, 80%, 46%
HSV	350°, 89%, 83%
XYZ	27.8600, 14.7375, 4.9907
YIQ	82.8600, 101.7760, 49.8080

Conversions

Conversions Part 2

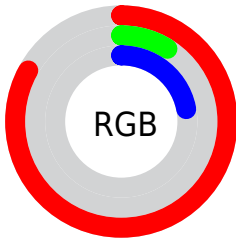
Format	Color
R _Y B	211, 23, 55
Decimal	13834039
CIE Lab	45.27, 68.03, 34.07
CIE LCh	45, 76.084, 26.600
Yxy	14.7375, 0.5854, 0.3097
Android (android.graphics.Color)	4292024119 (0xFFD31737)
YUV	82.8600, -13.7350, 112.3788
Hunter-Lab	38.3895, 62.3595, 19.1648

Details

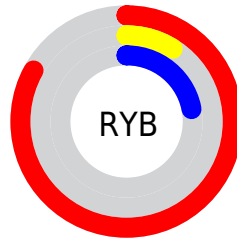
The XYZ color **27.8600, 14.7375, 4.9907** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **31.7871, 50.0264, 50.6408**, and the grayscale version is **8.2085, 8.6360, 9.4046**.

A 20% lighter version of the original color is **47.6410, 30.2247, 15.8934**, and **12.2854, 6.3250, 0.9541** is the 20% darker color. If you saturate the color by 10%, you get **27.2264, 14.0273, 3.0634**, and if you desaturate by 10%, it is **28.9556, 16.1340, 7.8068**.

Distribution



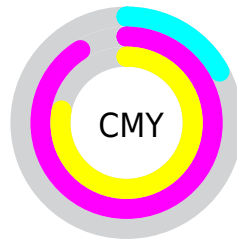
- Red (83%)
- Green (9%)
- Blue (22%)



- Red (83%)
- Yellow (9%)
- Blue (22%)



- Cyan (0%)
- Magenta (89%)
- Yellow (74%)
- Black (17%)





- Cyan (17%)
- Magenta (91%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8600, 14.7375, 4.9907 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 27.8600, 14.7375, 4.9907 by changing the saturation by 10% instead.


 27.8600, 14.7375,
4.9907


 27.8600, 14.7375,
4.9907


283.8896,
221.7718, 158.6717


 18.3601, 8.6354,
2.1832


 55.6711, 34.3920,
16.2369


 11.3101, 4.5041,
0.6646


 74.7129, 48.7132,
25.5126


 6.3446, 1.9594,
0.0000


 97.6661, 66.5428,
37.7814

 3.0984, 0.5837,
0.0000

 124.8959, 88.2653,
53.4620

 1.2060, 0.0000,
0.0000

 156.7679,
114.2651, 72.9727

 0.1111, 0.0000,
0.0000

 193.6472,

 0.0000, 0.0000,

144.9265, 96.7322

0.0000

235.8993,
180.6339, 125.1590

■ 27.8600, 14.7375,
4.9907

■ 27.8600, 14.7375,
4.9907

■ 27.2264, 14.0273,
3.0634

■ 28.9556, 16.1340,
7.8068

■ 27.1807, 13.9755,
2.9255

■ 30.6134, 18.3938,
11.6146

■ 32.8995, 21.6291,
16.4981

■ 35.8703, 25.9346,
22.5318

■ 39.5757, 31.3939,
29.7835

■ 44.0611, 38.0820,
38.3156

■ 49.3680, 46.0678,
48.1862

■ 55.5349, 55.4148,
59.4498

■ 62.5980, 66.1827,
72.1579

Harmonies

Analogous

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



29.9006, 14.7375, 18.1922



27.8600, 14.7375, 4.9907



21.7845, 14.7375, 1.0173

Triad

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



27.8600, 14.7375, 4.9907



6.1368, 14.7375, 3.5277



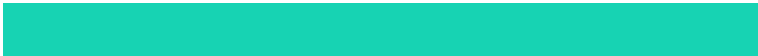
13.3017, 14.7375, 81.5015

Complementary

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



27.8600, 14.7375, 4.9907



31.7871, 50.0264, 50.6408

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.



8.3443, 14.7375, 65.8824



27.8600, 14.7375, 4.9907



5.0650, 14.7375, 14.0768

Square

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



27.8600, 14.7375, 4.9907



9.2562, 14.7375, 0.7009



5.7318, 14.7375, 37.1147



20.1573, 14.7375, 71.2972

Rectangle

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



27.8600, 14.7375, 4.9907



17.0047, 14.7375, 0.2827



5.7318, 14.7375, 37.1147



11.3851, 14.7375, 78.9205

Sweetspot

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



27.8603, 14.7384, 4.9909



69.0077, 60.5119, 61.3855



30.0910, 14.6098, 62.8617



14.2153, 12.1201, 12.0955



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.



27.8603, 14.7384, 4.9909



41.6830, 21.4372, 4.2629



30.0777, 20.0286, 3.0925



11.8896, 11.8406, 12.6946



16.4296, 8.4447, 1.9026



0.9445, 0.4825, 0.2427

Inverse Universe

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



27.8603, 14.7384, 4.9909



41.6830, 21.4372, 4.2629



23.2548, 27.1717, 65.6467



11.8896, 11.8406, 12.6946



16.4296, 8.4447, 1.9026



0.9445, 0.4825, 0.2427

Previews

White Background



This preview shows how the XYZ color 27.8600, 14.7375, 4.9907 looks on a white background.

Color Contrast Check

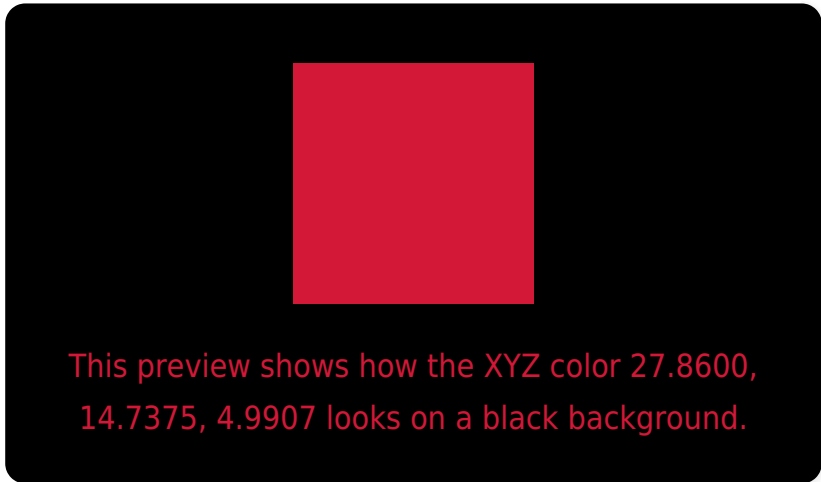
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8600, 14.7375, 4.9907

Background



This preview shows how black text looks on a background with the XYZ color 27.8600, 14.7375, 4.9907.



This preview shows how white text looks on a background with the XYZ color 27.8600, 14.7375,

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

27.8600, 14.7375, 4.9907

Protanopia

14.0502, 15.0322, 9.9456

Deuteranopia

15.2965, 15.0332, 4.4784



Tritanopia

27.2404, 14.7093, 2.4404

Trichromacy



Original Color

27.8600, 14.7375, 4.9907

Protanomaly

16.5861, 12.3549, 7.6415

Deuteranomaly

18.0865, 12.8975, 4.3325

Tritanomaly

27.3042, 14.6191, 3.1329

Monochromacy



Original Color

27.8600, 14.7375, 4.9907

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

12.0773, 8.5644, 7.3199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8600, 14.7375, 4.9907 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, 23, 55)` looks like.

```
.text, #text, p{  
    color:rgb(211, 23, 55)  
}
```

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, 23, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 23, 55) }
```

Border

The CSS property to change the border of an element to XYZ 27.8600, 14.7375, 4.9907 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, 23, 55) }
```


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

```
.border{ border-color:rgb(211, 23, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 23, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 23, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 23, 55);  
box-shadow:4px 4px 4px 4px rgb(211, 23,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8600, 14.7375, 4.9907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 23, 55) }
```

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

```
.background{ background-color: rgb(211, 23,  
55) }
```

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