

Converting Colors

XYZ(27.9838, 14.4038, 2.3212)

Have a look what the booklet for
XYZ(27.9838, 14.4038, 2.3212)
contains.

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Color

**XYZ(27.9294, 14.3753,
2.3396)**

Conversions

Conversions Part 1

Format	Color
Hex	D6001B
RGB	214, 0, 27
RGB Percent	84%, 0%, 11%
CMY	0.1608, 0.9998, 0.8941
CMYK	0.00, 1.00, 0.87, 0.16
HSL	352°, 100%, 42%
HSV	352°, 100%, 84%
XYZ	27.9294, 14.3753, 2.3396
YIQ	67.0640, 118.8770, 53.7650

Conversions

Conversions Part 2

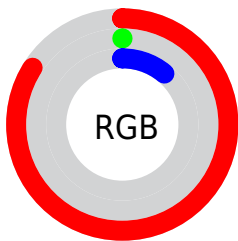
Format	Color
RYB	214, 0, 27
Decimal	14024731
CIELab	44.77, 70.49, 49.17
CIElCh	45, 85.942, 34.897
Yxy	14.3753, 0.6256, 0.3220
Android (android.graphics.Color)	4292214811 (0xFFD6001B)
YUV	67.0640, -19.7516, 128.8629
Hunter-Lab	37.9148, 65.1387, 22.8817

Details

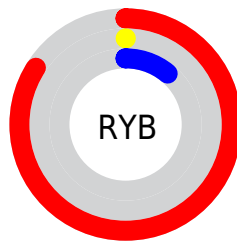
The XYZ color **27.9294, 14.3753, 2.3396** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **33.0217, 51.6829, 55.2757**, and the grayscale version is **5.3665, 5.6459, 6.1484**.

A 20% lighter version of the original color is **45.9323, 28.7205, 9.4260**, and **12.3944, 6.3896, 0.5800** is the 20% darker color. If you saturate the color by 10%, you get **27.9287, 14.3750, 2.3370**, and if you desaturate by 10%, it is **28.4952, 15.0439, 3.9563**.

Distribution



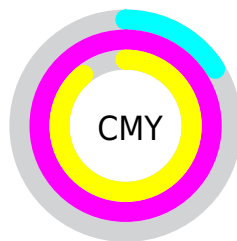
- Red (84%)
- Green (0%)
- Blue (11%)



- Red (84%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9294, 14.3753, 2.3396 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 27.9294, 14.3753, 2.3396 by changing the saturation by 10% instead.


 27.9294, 14.3753,
2.3396


 27.9294, 14.3753,
2.3396


284.2156,
219.5533, 127.4453


 18.4126, 8.3822,
0.7533


 55.7811, 33.7535,
9.9500


 11.3481, 4.3404,
0.0000


 74.8468, 47.9073,
16.8262

 6.3705, 1.8658,
0.0000


 97.8262, 65.5501,
26.3078

 3.1144, 0.5277,
0.0000

 125.0846, 87.0664,
38.8133

 1.2146, 0.0000,
0.0000

 156.9874,
112.8404, 54.7613


 0.1178, 0.0000,
0.0000


 193.8999,


 0.0000, 0.0000,


143.2566, 74.5702


0.0000


 236.1875,
178.6994, 98.6587

 27.9294, 14.3753,
2.3396


 27.9294, 14.3753,
2.3396


 27.9287, 14.3750,
2.3370

 28.4952, 15.0439,
3.9563

 29.5268, 16.3876,
6.5186

 31.1445, 18.6172,
10.1585

 33.4204, 21.8513,
14.9792

 36.4160, 26.1903,
21.0716

■ 40.1858, 31.7223,
28.5176

■ 44.7790, 38.5266,
37.3923

■ 50.2405, 46.6755,
47.7652

■ 56.6122, 56.2361,
59.7012

Harmonies

Analogous

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



31.9221, 14.3753, 12.5891



27.9294, 14.3753, 2.3396



20.2004, 14.3753, 0.0000

Triad

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



27.9294, 14.3753, 2.3396



4.7445, 14.3753, 4.3381



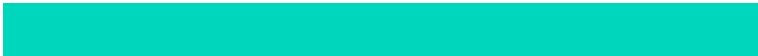
14.8438, 14.3753, 93.9421

Complementary

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



27.9294, 14.3753, 2.3396



33.0217, 51.6829, 55.2757

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.



8.7148, 14.3753, 82.8577



27.9294, 14.3753, 2.3396



4.1663, 14.3753, 19.1759

Square

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



27.9294, 14.3753, 2.3396



7.3228, 14.3753, 0.4681



5.3345, 14.3753, 49.6480



22.8926, 14.3753, 73.2665

Rectangle

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



27.9294, 14.3753, 2.3396



14.8949, 14.3753, 0.0000



5.3345, 14.3753, 49.6480



12.5015, 14.3753, 93.9021

Sweetspot

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



27.9297, 14.3762, 2.3398



66.3519, 56.9369, 55.1472



32.2598, 15.2292, 64.8571



13.5502, 11.2193, 10.5503



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.



27.9297, 14.3762, 2.3398



41.5024, 21.3650, 3.3117



30.4915, 19.8159, 2.2192



12.4863, 12.4460, 13.2350



16.9022, 8.6972, 1.5230



1.0409, 0.5332, 0.2049

Inverse Universe

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



27.9297, 14.3762, 2.3398



41.5024, 21.3650, 3.3117



20.8791, 22.3374, 66.8289



12.4863, 12.4460, 13.2350



16.9022, 8.6972, 1.5230



1.0409, 0.5332, 0.2049

Previews

White Background



This preview shows how the XYZ color 27.9294, 14.3753, 2.3396 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 27.9294, 14.3753, 2.3396 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 27.9294, 14.3753, 2.3396

Background



This preview shows how black text looks on a background with the XYZ color 27.9294, 14.3753, 2.3396.



This preview shows how white text looks on a background with the XYZ color 27.9294, 14.3753,

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

27.9294, 14.3753, 2.3396

Protanopia

13.6014, 14.9155, 4.7469

Deuteranopia

15.1668, 15.0189, 2.0996



Tritanopia

27.6734, 14.6119, 1.3618

Trichromacy



Original Color

27.9294, 14.3753, 2.3396

Protanomaly

15.8208, 11.2728, 3.2615

Deuteranomaly

17.5201, 11.9177, 1.6641

Tritanomaly

27.6268, 14.4310, 1.6165

Monochromacy



Original Color

27.9294, 14.3753, 2.3396

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

9.2294, 5.9688, 3.9145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9294, 14.3753, 2.3396 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, 0, 27)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 27)  
}
```

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, 0, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 27) }
```

Border

The CSS property to change the border of an element to XYZ 27.9294, 14.3753, 2.3396 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, 0, 27) }
```


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

```
.border{ border-color:rgb(214, 0, 27) }
```

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

Here you see how a box with a 4 pixel rgb(214, 0, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 27);  
box-shadow:4px 4px 4px 4px rgb(214, 0, 27)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.9294, 14.3753, 2.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 27) }
```

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

```
.background{ background-color: rgb(214, 0,  
27) }
```

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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