

Converting Colors

XYZ(27.5831, 14.6288, 2.1289)

Have a look what the booklet for
XYZ(27.5831, 14.6288, 2.1289)
contains.

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Color

**XYZ(27.5831, 14.6288,
2.1289)**

Conversions

Conversions Part 1

Format	Color
Hex	D41616
RGB	212, 22, 22
RGB Percent	83%, 9%, 9%
CMY	0.1686, 0.9136, 0.9137
CMYK	0.00, 0.90, 0.90, 0.17
HSL	0°, 81%, 46%
HSV	0°, 90%, 83%
XYZ	27.5831, 14.6288, 2.1289
YIQ	78.8100, 113.2400, 40.2800

Conversions

Conversions Part 2

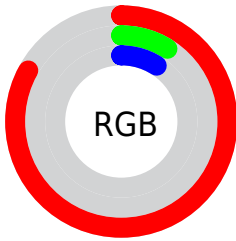
Format	Color
R_{YB}	212, 22, 22
Decimal	13899286
CIE Lab	45.12, 67.58, 51.50
CIE LCh	45, 84.966, 37.311
Yxy	14.6288, 0.6221, 0.3299
Android (android.graphics.Color)	4292089366 (0xFFD41616)
YUV	78.8100, -28.0073, 116.8076
Hunter-Lab	38.2476, 61.7958, 23.4732

Details

The XYZ color **27.5831, 14.6288, 2.1289** 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 **35.7510, 51.9972, 70.4390**, and the grayscale version is **7.4348, 7.8220, 8.5181**.

A 20% lighter version of the original color is **46.2285, 29.5184, 8.8913**, and **12.0326, 6.2030, 0.5631** is the 20% darker color. If you saturate the color by 10%, you get **27.1646, 14.0167, 1.2968**, and if you desaturate by 10%, it is **28.4629, 15.9169, 3.8769**.

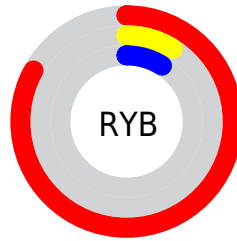
Distribution



Red (83%)

Green (9%)

Blue (9%)



Red (83%)

Yellow (9%)

Blue (9%)

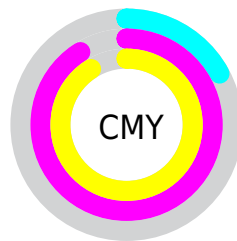


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (17%)



Cyan (17%)


Magenta (91%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5831, 14.6288, 2.1289 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 27.5831, 14.6288, 2.1289 by changing the saturation by 10% instead.


 27.5831, 14.6288,
2.1289

 27.5831, 14.6288,
2.1289


282.5858,
221.1083, 124.3473


 18.1505, 8.5593,
0.6329


 55.2315, 34.2007,
9.3903


 11.1584, 4.4549,
0.0000


 74.1779, 48.4718,
16.0293

 6.2416, 1.9311,
0.0000


 97.0263, 66.2456,
25.2318

 3.0346, 0.5670,
0.0000

 124.1421, 87.9064,
37.4165

 1.1721, 0.0000,
0.0000

 155.8906,
113.8387, 53.0019

 0.0841, 0.0000,
0.0000


 192.6371,


 0.0000, 0.0000,


144.4269, 72.4064


0.0000


 234.7471,
180.0553, 96.0487


 27.5831, 14.6288,
2.1289


 27.5831, 14.6288,
2.1289


 27.1646, 14.0167,
1.2968


 28.4629, 15.9169,
3.8769

 27.1515, 13.9976,
1.2708

 29.9452, 18.0862,
6.8231

 32.1122, 21.2572,
11.1305

 35.0329, 25.5312,
16.9365

 38.7682, 30.9969,
24.3618

■ 43.3725, 37.7343,
33.5151

■ 48.8957, 45.8163,
44.4953

■ 55.3838, 55.3101,
57.3940

■ 62.8799, 66.2787,
72.2966

Harmonies

Analogous

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



31.9710, 14.6288, 11.5112



27.5831, 14.6288, 2.1289



19.7656, 14.6288, 0.0000

Triad

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



27.5831, 14.6288, 2.1289



4.8194, 14.6288, 5.2099



15.6874, 14.6288, 92.8495

Complementary

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



27.5831, 14.6288, 2.1289



35.7510, 51.9972, 70.4390

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.



9.3339, 14.6288, 84.4725



27.5831, 14.6288, 2.1289



4.3741, 14.6288, 21.3515

Square

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



27.5831, 14.6288, 2.1289



7.2401, 14.6288, 0.7143



5.7145, 14.6288, 52.5538



23.7564, 14.6288, 70.4221

Rectangle

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



27.5831, 14.6288, 2.1289



14.5449, 14.6288, 0.0000



5.7145, 14.6288, 52.5538



13.2827, 14.6288, 93.7295

Sweetspot

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



27.5834, 14.6297, 2.1291



67.7115, 59.9967, 54.5498



39.3216, 19.3242, 63.9443



13.9195, 12.0026, 10.5358



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.



27.5834, 14.6297, 2.1291



41.2404, 21.2608, 1.9301



33.6573, 26.7774, 4.1537



12.4234, 12.4211, 12.9034



16.7622, 8.6416, 0.7845



1.0111, 0.5213, 0.0473

Inverse Universe

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



35.7510, 51.9972, 70.4390



53.7985, 78.7170, 106.9662



18.5757, 17.6466, 64.7139



12.7921, 14.1076, 15.9863



21.8664, 31.9946, 43.4763



1.3189, 1.9299, 2.6223

Previews

White Background



This preview shows how the XYZ color 27.5831, 14.6288, 2.1289 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 27.5831, 14.6288, 2.1289 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 27.5831, 14.6288, 2.1289

Background



This preview shows how black text looks on a background with the XYZ color 27.5831, 14.6288, 2.1289.



This preview shows how white text looks on a background with the XYZ color 27.5831, 14.6288,

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

27.5831, 14.6288, 2.1289

Protanopia

13.6307, 14.9433, 4.1734

Deuteranopia

15.0036, 14.9347, 2.0919



Tritanopia

27.5513, 14.6473, 1.8653

Trichromacy



Original Color

27.5831, 14.6288, 2.1289

Protanomaly

16.2548, 12.2876, 2.9539

Deuteranomaly

17.8025, 12.8076, 1.7636

Tritanomaly

27.5670, 14.6535, 1.9477

Monochromacy



Original Color

27.5831, 14.6288, 2.1289

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

11.0292, 7.8436, 4.9357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5831, 14.6288, 2.1289 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(212, 22, 22)` looks like.

```
.text, #text, p{  
    color:rgb(212, 22, 22)  
}
```

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(212, 22, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 22, 22) }
```

Border

The CSS property to change the border of an element to XYZ 27.5831, 14.6288, 2.1289 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(212, 22, 22) }
```


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

```
.border{ border-color:rgb(212, 22, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 22, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 22, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 22, 22);  
box-shadow:4px 4px 4px 4px rgb(212, 22,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5831, 14.6288, 2.1289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 22, 22) }
```

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

```
.background{ background-color: rgb(212, 22,  
22) }
```

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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