

Converting Colors

XYZ(27.2468, 14.9683, 2.9257)

Have a look what the booklet for
XYZ(27.2468, 14.9683, 2.9257)
contains.

XYZ(27.1999, 14.9269, 2.8864)	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(27.1999, 14.9269,
2.8864)**

Conversions

Conversions Part 1

Format	Color
Hex	D12421
RGB	209, 36, 33
RGB Percent	82%, 14%, 13%
CMY	0.1804, 0.8588, 0.8706
CMYK	0.00, 0.83, 0.84, 0.18
HSL	1°, 73%, 47%
HSV	1°, 84%, 82%
XYZ	27.1999, 14.9269, 2.8864
YIQ	87.3850, 104.0710, 35.7430

Conversions

Conversions Part 2

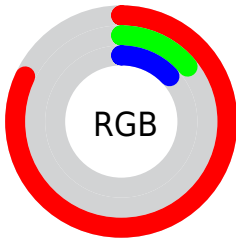
Format	Color
RYB	209, 36, 33
Decimal	13706273
CIELab	45.53, 64.26, 46.46
CIElCh	46, 79.296, 35.866
Yxy	14.9269, 0.6043, 0.3316
Android (android.graphics.Color)	4291896353 (0xFFD12421)
YUV	87.3850, -26.8118, 106.6564
Hunter-Lab	38.6353, 58.0550, 22.6153

Details

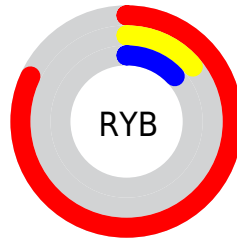
The XYZ color **27.1999, 14.9269, 2.8864** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **34.2027, 49.0607, 67.9881**, and the grayscale version is **9.1843, 9.6626, 10.5226**.

A 20% lighter version of the original color is **47.2451, 30.9535, 11.0740**, and **11.6771, 6.0197, 0.5465** is the 20% darker color. If you saturate the color by 10%, you get **26.5389, 13.9372, 1.6425**, and if you desaturate by 10%, it is **28.3992, 16.7035, 5.2050**.

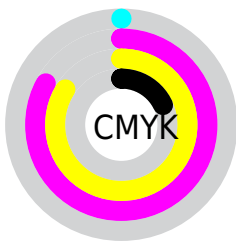
Distribution



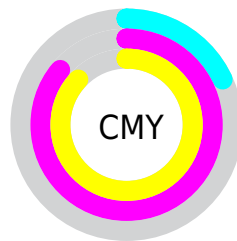
- Red (82%)
- Green (14%)
- Blue (13%)



- Red (82%)
- Yellow (14%)
- Blue (13%)



- Cyan (0%)
- Magenta (83%)
- Yellow (84%)
- Black (18%)





- Cyan (18%)
- Magenta (86%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.1999, 14.9269, 2.8864 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 27.1999, 14.9269, 2.8864 by changing the saturation by 10% instead.

 27.1999, 14.9269,
2.8864


 27.1999, 14.9269,
2.8864


280.7736,
222.9233, 134.9004


 17.8608, 8.7681,
1.0369


 54.6221, 34.7249,
11.3468


 10.9492, 4.5902,
0.0000


 73.4359, 49.1329,
18.7948

 6.0997, 2.0089,
0.0000


 96.1386, 67.0594,
28.9461

 2.9470, 0.6126,
0.0000

 123.0956, 88.8888,
42.2192

 1.1258, 0.0000,
0.0000

 154.6723,
115.0055, 59.0326


 0.0466, 0.0000,
0.0000


 191.2339,


 0.0000, 0.0000,


145.7939, 79.8049


0.0000


 233.1459,
181.6384, 104.9547


 27.1999, 14.9269,
2.8864


 27.1999, 14.9269,
2.8864


 26.5389, 13.9372,
1.6425


 28.3992, 16.7035,
5.2050

 26.3332, 13.6330,
1.2435

 30.2184, 19.3823,
8.7693

 32.7261, 23.0628,
13.7208

 35.9818, 27.8304,
20.1819

 40.0386, 33.7616,
28.2617

■ 44.9445, 40.9259,
38.0592

■ 50.7441, 49.3874,
49.6652

■ 57.4785, 59.2058,
63.1644

■ 65.1867, 70.4370,
78.6362

Harmonies

Analogous

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



30.9836, 14.9269, 12.8056



27.1999, 14.9269, 2.8864



20.0524, 14.9269, 0.4294

Triad

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



27.1999, 14.9269, 2.8864



5.4551, 14.9269, 5.4420



15.5282, 14.9269, 86.1391

Complementary

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



27.1999, 14.9269, 2.8864



34.2027, 49.0607, 67.9881

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.



9.5948, 14.9269, 77.3529



27.1999, 14.9269, 2.8864



4.9207, 14.9269, 20.2691

Square

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



27.1999, 14.9269, 2.8864



7.9618, 14.9269, 0.9963



6.1721, 14.9269, 48.3194



23.0251, 14.9269, 67.2860

Rectangle

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



27.1999, 14.9269, 2.8864



15.1248, 14.9269, 0.0000



6.1721, 14.9269, 48.3194



13.2899, 14.9269, 86.4312

Sweetspot

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



27.2002, 14.9278, 2.8866



69.5965, 62.8827, 57.9040



37.9868, 19.1024, 60.1196



14.2890, 12.5724, 11.1799



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.



27.2002, 14.9278, 2.8866



41.2875, 21.3549, 1.9458



33.7681, 28.0636, 5.0759



11.8248, 11.8402, 12.2742



16.2437, 8.4204, 0.7692



0.9141, 0.4825, 0.0450

Inverse Universe

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



34.2027, 49.0607, 67.9881



52.4312, 75.9824, 106.5104



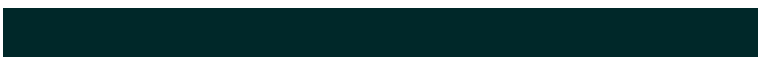
18.6220, 17.8993, 62.7946



12.1403, 13.3708, 15.1846



20.6259, 29.8985, 41.8764



1.1589, 1.6831, 2.3434

Previews

White Background



This preview shows how the XYZ color 27.1999, 14.9269, 2.8864 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 27.1999, 14.9269, 2.8864

Background



This preview shows how black text looks on a background with the XYZ color 27.1999, 14.9269, 2.8864.



This preview shows how white text looks on a background with the XYZ color 27.1999, 14.9269,

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

27.1999, 14.9269, 2.8864

Protanopia

13.9513, 15.2412, 5.3385

Deuteranopia

15.3644, 15.1169, 2.2804



Tritanopia

27.2141, 14.9326, 2.9613

Trichromacy



Original Color

27.1999, 14.9269, 2.8864

Protanomaly

16.6088, 12.9887, 4.0146

Deuteranomaly

18.1994, 13.5219, 2.1410

Tritanomaly

27.2141, 14.9326, 2.9613

Monochromacy



Original Color

27.1999, 14.9269, 2.8864

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

12.4403, 9.3648, 6.4621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1999, 14.9269, 2.8864 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(209, 36, 33)` looks like.

```
.text, #text, p{  
    color:rgb(209, 36, 33)  
}
```

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(209, 36, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 36, 33) }
```

Border

The CSS property to change the border of an element to XYZ 27.1999, 14.9269, 2.8864 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(209, 36, 33) }
```


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

```
.border{ border-color:rgb(209, 36, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 36, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 36, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 36, 33);  
box-shadow:4px 4px 4px 4px rgb(209, 36,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1999, 14.9269, 2.8864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 36, 33) }
```

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

```
.background{ background-color: rgb(209, 36,  
33) }
```

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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