

Converting Colors

XYZ(27.5109, 14.5999, 1.7488)

Have a look what the booklet for
XYZ(27.5109, 14.5999, 1.7488)
contains.

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Color

**XYZ(27.5109, 14.5999,
1.7488)**

Conversions

Conversions Part 1

Format	Color
Hex	D4160D
RGB	212, 22, 13
RGB Percent	83%, 9%, 5%
CMY	0.1686, 0.9136, 0.9490
CMYK	0.00, 0.90, 0.94, 0.17
HSL	3°, 88%, 44%
HSV	3°, 94%, 83%
XYZ	27.5109, 14.5999, 1.7488
YIQ	77.7840, 116.1290, 37.4810

Conversions

Conversions Part 2

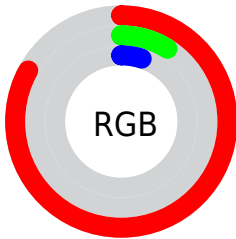
Format	Color
RYB	212, 22, 13
Decimal	13899277
CIELab	45.08, 67.46, 54.85
CIElCh	45, 86.948, 39.113
Yxy	14.5999, 0.6272, 0.3329
Android (android.graphics.Color)	4292089357 (0xFFD4160D)
YUV	77.7840, -31.9385, 117.7074
Hunter-Lab	38.2098, 61.6520, 24.0333

Details

The XYZ color **27.5109, 14.5999, 1.7488** 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 **33.3988, 47.5376, 69.7022**, and the grayscale version is **7.2463, 7.6236, 8.3021**.

A 20% lighter version of the original color is **46.0516, 29.4476, 7.9594**, and **12.0326, 6.2030, 0.5631** is the 20% darker color. If you saturate the color by 10%, you get **27.2555, 14.2057, 1.3054**, and if you desaturate by 10%, it is **28.2802, 15.7884, 3.0854**.

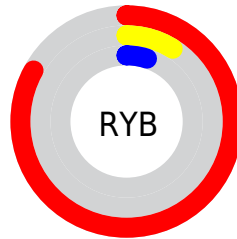
Distribution



Red (83%)

Green (9%)

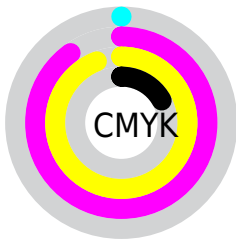
Blue (5%)



Red (83%)

Yellow (9%)

Blue (5%)

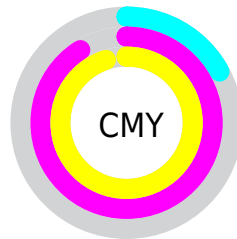


Cyan (0%)

Magenta (90%)

Yellow (94%)

Black (17%)



Cyan (17%)


Magenta (91%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5109, 14.5999, 1.7488 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 27.5109, 14.5999, 1.7488 by changing the saturation by 10% instead.


 27.5109, 14.5999,
1.7488


 27.5109, 14.5999,
1.7488


 282.2450,
220.9316, 118.3455


 18.0959, 8.5391,
0.3939


 55.1167, 34.1497,
8.3419


 11.1189, 4.4418,
0.0000


 74.0383, 48.4075,
14.5223


 6.2148, 1.9236,
0.0000


 96.8593, 66.1665,
23.1832

 3.0180, 0.5625,
0.0000

 123.9452, 87.8109,
34.7433

 1.1633, 0.0000,
0.0000

 155.6614,
113.7252, 49.6210

 0.0771, 0.0000,
0.0000


 192.3732,


 0.0000, 0.0000,


144.2938, 68.2349


0.0000


 234.4460,
179.9012, 91.0036


 27.5109, 14.5999,
1.7488


 27.5109, 14.5999,
1.7488


 27.2555, 14.2057,
1.3054

 28.2802, 15.7884,
3.0854

 29.6005, 17.7769,
5.5360

 31.5501, 20.6741,
9.2749

 34.1945, 24.5715,
14.4462

 37.5909, 29.5489,
21.1748

■ 41.7906, 35.6784,
29.5720

■ 46.8403, 43.0259,
39.7391

■ 52.7832, 51.6522,
51.7691

■ 59.6596, 61.6139,
65.7486

Harmonies

Analogous

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



32.3590, 14.5999, 10.4405



27.5109, 14.5999, 1.7488



19.3781, 14.5999, 0.0000

Triad

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



27.5109, 14.5999, 1.7488



4.5875, 14.5999, 5.5857



16.1702, 14.5999, 95.0780

Complementary

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



27.5109, 14.5999, 1.7488



33.3988, 47.5376, 69.7022

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.



9.5297, 14.5999, 88.3553



27.5109, 14.5999, 1.7488



4.2473, 14.5999, 22.9841

Square

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



27.5109, 14.5999, 1.7488



6.8851, 14.5999, 0.7176



5.7094, 14.5999, 55.9196



24.4824, 14.5999, 70.1965

Rectangle

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



27.5109, 14.5999, 1.7488



14.0906, 14.5999, 0.0000



5.7094, 14.5999, 55.9196



13.6651, 14.5999, 96.7093

Sweetspot

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



27.5112, 14.6008, 1.7490



67.5860, 60.1763, 53.1809



38.3587, 18.7102, 59.5791



13.7703, 11.8672, 9.9832



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.



27.5112, 14.6008, 1.7490



41.3663, 21.5126, 1.9721



33.8364, 27.2513, 3.8574



12.4680, 12.5102, 12.9183



16.8461, 8.8093, 0.8125



1.0323, 0.5639, 0.0544

Inverse Universe

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



33.3988, 47.5376, 69.7022



50.2302, 71.5803, 105.7767



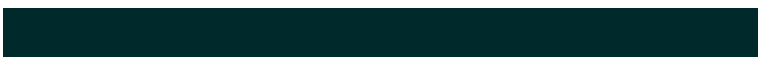
17.1898, 15.1195, 64.2992



12.7417, 14.0068, 15.9695



20.4513, 29.1644, 43.0045



1.2488, 1.7895, 2.5989

Previews

White Background



This preview shows how the XYZ color 27.5109, 14.5999, 1.7488 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 27.5109, 14.5999, 1.7488 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 27.5109, 14.5999, 1.7488

Background



This preview shows how black text looks on a background with the XYZ color 27.5109, 14.5999, 1.7488.



This preview shows how white text looks on a background with the XYZ color 27.5109, 14.5999,

1.7488.

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

27.5109, 14.5999, 1.7488

Protanopia

13.5084, 14.8944, 3.5294

Deuteranopia

15.0036, 14.9347, 2.0919



Tritanopia

27.5176, 14.6026, 1.7837

Trichromacy



Original Color

27.5109, 14.5999, 1.7488

Protanomaly

16.1558, 12.2480, 2.4323

Deuteranomaly

17.7860, 12.8010, 1.6770

Tritanomaly

27.5176, 14.6026, 1.7837

Monochromacy



Original Color

27.5109, 14.5999, 1.7488

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

10.9313, 7.8045, 4.4203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5109, 14.5999, 1.7488 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(212, 22, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 22, 13) }
```

Border

The CSS property to change the border of an element to XYZ 27.5109, 14.5999, 1.7488 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, 13) }
```


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

```
.border{ border-color:rgb(212, 22, 13) }
```

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, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 22, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 22, 13);  
box-shadow:4px 4px 4px 4px rgb(212, 22,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5109, 14.5999, 1.7488 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, 13) }
```

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

```
.background{ background-color: rgb(212, 22,  
13) }
```

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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