

Converting Colors

XYZ(27.8163, 14.3368, 1.4394)

Have a look what the booklet for
XYZ(27.8163, 14.3368, 1.4394)
contains.

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Color

**XYZ(27.7589, 14.3071,
1.4421)**

Conversions

Conversions Part 1

Format	Color
Hex	D60005
RGB	214, 0, 5
RGB Percent	84%, 0%, 2%
CMY	0.1608, 0.9998, 0.9804
CMYK	0.00, 1.00, 0.98, 0.16
HSL	359°, 100%, 42%
HSV	359°, 100%, 84%
XYZ	27.7589, 14.3071, 1.4421
YIQ	64.5560, 125.9390, 46.9230

Conversions

Conversions Part 2

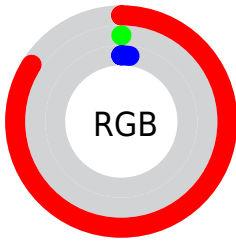
Format	Color
RYB	214, 0, 5
Decimal	14024709
CIELab	44.67, 70.23, 57.28
CIELCh	45, 90.626, 39.205
Yxy	14.3071, 0.6380, 0.3288
Android (android.graphics.Color)	4292214789 (0xFFD60005)
YUV	64.5560, -29.3611, 131.0624
Hunter-Lab	37.8247, 64.8047, 24.2168

Details

The XYZ color **27.7589, 14.3071, 1.4421** 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 **35.5613, 52.6987, 68.6495**, and the grayscale version is **4.9908, 5.2507, 5.7180**.

A 20% lighter version of the original color is **45.3867, 28.3718, 6.9551**, and **12.3944, 6.3896, 0.5800** is the 20% darker color. If you saturate the color by 10%, you get **27.7584, 14.3068, 1.4407**, and if you desaturate by 10%, it is **28.1932, 14.9232, 2.3663**.

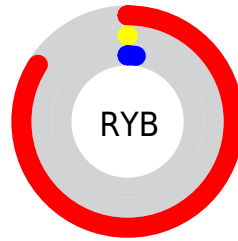
Distribution



Red (84%)

Green (0%)

Blue (2%)



Red (84%)

Yellow (0%)

Blue (2%)

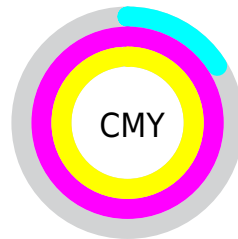


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (16%)



Cyan (16%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7589, 14.3071, 1.4421 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 27.7589, 14.3071, 1.4421 by changing the saturation by 10% instead.

 27.7589, 14.3071,
1.4421


 27.7589, 14.3071,
1.4421


 283.4141,
219.1330, 113.0041


 18.2835, 8.3346,
0.1742


 55.5106, 33.6329,
7.4502


 11.2546, 4.3098,
0.0000


 74.5177, 47.7550,
13.2237

 6.3069, 1.8483,
0.0000


 97.4327, 65.3625,
21.4015

 3.0750, 0.5170,
0.0000

 124.6209, 86.8396,
32.4021

 1.1936, 0.0000,
0.0000

 156.4479,
112.5708, 46.6442

 0.1013, 0.0000,
0.0000


 193.2788,


 0.0000, 0.0000,


142.9405, 64.5461


0.0000


 235.4791,
178.3331, 86.5266


 27.7589, 14.3071,
1.4421


 27.7589, 14.3071,
1.4421


 27.7584, 14.3068,
1.4407

 28.1932, 14.9232,
2.3663

 29.0990, 16.2165,
4.2658

 30.6135, 18.4049,
7.3624

 32.8184, 21.6106,
11.8093

 35.7827, 25.9371,
17.7369

■ 39.5673, 31.4750,
25.2603

■ 44.2266, 38.3057,
34.4832

■ 49.8105, 46.5036,
45.5007

■ 56.3652, 56.1374,
58.4005

Harmonies

Analogous

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



32.8725, 14.3071, 9.9574



27.7589, 14.3071, 1.4421



19.2607, 14.3071, 0.0000

Triad

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



27.7589, 14.3071, 1.4421



4.2013, 14.3071, 5.1713



15.9876, 14.3071, 99.4714

Complementary

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



27.7589, 14.3071, 1.4421



35.5613, 52.6987, 68.6495

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.



9.1714, 14.3071, 92.3636



27.7589, 14.3071, 1.4421



3.8725, 14.3071, 22.9937

Square

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



27.7589, 14.3071, 1.4421



6.4767, 14.3071, 0.4748



5.3218, 14.3071, 57.7447



24.6352, 14.3071, 72.7300

Rectangle

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



27.7589, 14.3071, 1.4421



13.7957, 14.3071, 0.0000



5.3218, 14.3071, 57.7447



13.4032, 14.3071, 101.2630

Sweetspot

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



27.7592, 14.3080, 1.4423



65.5259, 56.6065, 50.7973



37.8331, 18.1024, 65.1177



13.3626, 11.1443, 9.5622



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.



27.7592, 14.3080, 1.4423



41.2723, 21.2729, 2.1003



32.2784, 23.3899, 2.8149



12.4348, 12.4254, 12.9639



16.7836, 8.6498, 0.8985



1.0165, 0.5234, 0.0763

Inverse Universe

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



27.7592, 14.3080, 1.4423



41.2723, 21.2729, 2.1003



18.1730, 16.9251, 65.9267



12.4348, 12.4254, 12.9639



16.7836, 8.6498, 0.8985



1.0165, 0.5234, 0.0763

Previews

White Background



This preview shows how the XYZ color 27.7589, 14.3071, 1.4421 looks on a white background.

Color Contrast Check

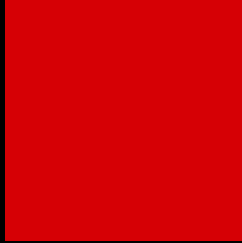
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7589, 14.3071, 1.4421 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 27.7589, 14.3071, 1.4421

Background



This preview shows how black text looks on a background with the XYZ color 27.7589, 14.3071, 1.4421.



This preview shows how white text looks on a background with the XYZ color 27.7589, 14.3071,

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

27.7589, 14.3071, 1.4421

Protanopia

13.4573, 14.8739, 3.2603

Deuteranopia

15.0036, 14.9347, 2.0919



Tritanopia

27.4015, 14.4974, 1.3540

Trichromacy



Original Color

27.7589, 14.3071, 1.4421

Protanomaly

15.7720, 11.2753, 2.0069

Deuteranomaly

17.2690, 11.7933, 1.4236

Tritanomaly

27.5955, 14.4384, 1.3899

Monochromacy



Original Color

27.7589, 14.3071, 1.4421

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.8367, 5.6822, 2.9165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7589, 14.3071, 1.4421 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, 5)` looks like.

```
.text, #text, p{  
  color:rgb(214, 0, 5)  
}
```

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, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 5) }
```

Border

The CSS property to change the border of an element to XYZ 27.7589, 14.3071, 1.4421 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, 5) }
```


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

```
.border{ border-color:rgb(214, 0, 5) }
```

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, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(214, 0, 5); box-shadow:4px  
4px 4px 4px rgb(214, 0, 5) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7589, 14.3071, 1.4421 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, 5) }
```

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

```
.background{ background-color: rgb(214, 0,  
5) }
```

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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