

Converting Colors

XYZ(29.2395, 17.4574, 4.1722)

Have a look what the booklet for
XYZ(29.2395, 17.4574, 4.1722)
contains.

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Color

**XYZ(29.2219, 17.4106,
4.2033)**

Conversions

Conversions Part 1

Format	Color
Hex	D43C2C
RGB	212, 60, 44
RGB Percent	83%, 24%, 17%
CMY	0.1686, 0.7647, 0.8274
CMYK	0.00, 0.72, 0.79, 0.17
HSL	6°, 66%, 50%
HSV	6°, 79%, 83%
XYZ	29.2219, 17.4106, 4.2033
YIQ	103.6240, 95.7280, 27.2480

Conversions

Conversions Part 2

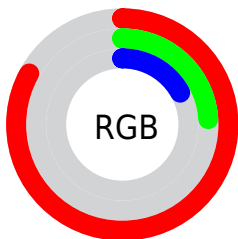
Format	Color
RYB	212, 62, 44
Decimal	13909036
CIELab	48.77, 58.27, 44.08
CIELCh	49, 73.066, 37.110
Yxy	17.4106, 0.5748, 0.3425
Android (android.graphics.Color)	4292099116 (0xFFD43C2C)
YUV	103.6240, -29.3946, 95.0458
Hunter-Lab	41.7260, 51.9881, 23.2356

Details

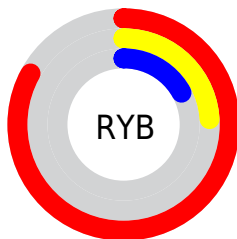
The XYZ color **29.2219, 17.4106, 4.2033** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **32.6600, 44.7643, 69.2061**, and the grayscale version is **13.1168, 13.7999, 15.0281**.

A 20% lighter version of the original color is **49.4896, 34.7379, 13.9942**, and **12.3944, 6.3896, 0.5800** is the 20% darker color. If you saturate the color by 10%, you get **28.0910, 15.6322, 2.3370**, and if you desaturate by 10%, it is **30.9209, 20.0004, 7.2623**.

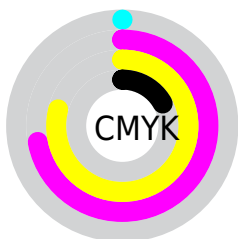
Distribution



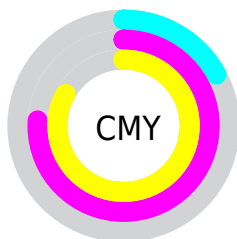
- Red (83%)
- Green (24%)
- Blue (17%)



- Red (83%)
- Yellow (24%)
- Blue (17%)



- Cyan (0%)
- Magenta (72%)
- Yellow (79%)
- Black (17%)





- Cyan (17%)
- Magenta (76%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2219, 17.4106, 4.2033 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 29.2219, 17.4106, 4.2033 by changing the saturation by 10% instead.

 29.2219, 17.4106,
4.2033


 29.2219, 17.4106,
4.2033

290.2359,
237.5276, 150.4589


 19.3939, 10.5277,
1.7375


 57.8246, 39.0304,
14.4760


 12.0609, 5.7502,
0.3863


 77.3299, 54.5361,
23.1200

 6.8577, 2.6938,
0.0000


 100.7918, 73.6848,
34.6604

 3.4188, 0.9740,
0.0000

 128.5755, 96.8609,
49.5159

 1.3789, 0.0000,
0.0000

 161.0464,
124.4488, 68.1050

 0.2411, 0.0000,
0.0000

 198.5698,

 0.0000, 0.0000,

156.8330, 90.8461

0.0000

241.5112,
194.3978, 118.1579

■ 29.2219, 17.4106,
4.2033

■ 29.2219, 17.4106,
4.2033

■ 28.0910, 15.6322,
2.3370

■ 30.9209, 20.0004,
7.2623

■ 27.4403, 14.5611,
1.4103

■ 33.2495, 23.4801,
11.6687

■ 27.4050, 14.5045,
1.3552

■ 36.2623, 27.9222,
17.5545

■ 40.0077, 33.3911,
25.0360

■ 44.5295, 39.9454,
34.2177

■ 49.8683, 47.6394,
45.1954

■ 56.0617, 56.5236,
58.0576

■ 63.1450, 66.6458,
72.8870

■ 71.1515, 78.0509,
89.7615

Harmonies

Analogous

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



33.0782, 17.4106, 14.7145



29.2219, 17.4106, 4.2033



22.1335, 17.4106, 1.1885

Triad

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



29.2219, 17.4106, 4.2033



7.2330, 17.4106, 7.8552



18.2091, 17.4106, 85.0377

Complementary

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



29.2219, 17.4106, 4.2033



32.6600, 44.7643, 69.2061

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.



11.9918, 17.4106, 78.0474



29.2219, 17.4106, 4.2033



6.7142, 17.4106, 23.9458

Square

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



29.2219, 17.4106, 4.2033



9.8820, 17.4106, 2.0736



8.1993, 17.4106, 51.4349



25.6899, 17.4106, 66.8044

Rectangle

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



29.2219, 17.4106, 4.2033



17.2119, 17.4106, 0.7774



8.1993, 17.4106, 51.4349



15.9019, 17.4106, 85.6889

Sweetspot

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



29.2223, 17.4116, 4.2036



71.5243, 66.2844, 59.9457



38.2450, 19.8756, 55.2465



14.7020, 13.3117, 11.5850



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.



29.2223, 17.4116, 4.2036



41.9369, 22.5402, 2.5127



37.2789, 33.5249, 6.8891



12.5175, 12.6092, 12.9348



16.9514, 9.0201, 0.8476



1.0558, 0.6109, 0.0623

Inverse Universe

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



32.6600, 44.7643, 69.2061



47.0449, 64.9689, 104.6685



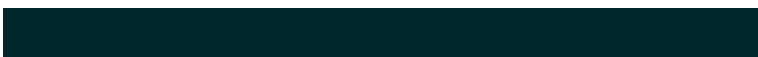
18.9397, 17.3236, 64.6326



12.6863, 13.8961, 15.9511



18.9861, 26.2340, 42.5161



1.1752, 1.6425, 2.5744

Previews

White Background



This preview shows how the XYZ color 29.2219, 17.4106, 4.2033 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 29.2219, 17.4106, 4.2033 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 29.2219, 17.4106, 4.2033

Background



This preview shows how black text looks on a background with the XYZ color 29.2219, 17.4106, 4.2033.



This preview shows how white text looks on a background with the XYZ color 29.2219, 17.4106,

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

29.2219, 17.4106, 4.2033

Protanopia

16.2302, 17.7160, 6.8391

Deuteranopia

17.7858, 17.5788, 3.7520



Tritanopia

29.4800, 17.3494, 6.0700

Trichromacy



Original Color

29.2219, 17.4106, 4.2033

Protanomaly

19.1468, 16.0030, 5.5698

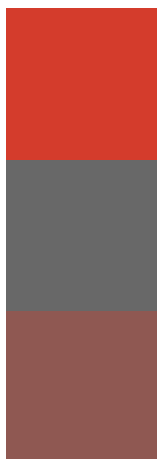
Deuteranomaly

20.7231, 16.3277, 3.7284

Tritanomaly

29.3812, 17.3913, 5.2983

Monochromacy



Original Color

29.2219, 17.4106, 4.2033

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

16.3404, 13.4283, 9.7133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2219, 17.4106, 4.2033 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, 60, 44)` looks like.

```
.text, #text, p{  
    color:rgb(212, 60, 44)  
}
```

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, 60, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 60, 44) }
```

Border

The CSS property to change the border of an element to XYZ 29.2219, 17.4106, 4.2033 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, 60, 44) }
```


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

```
.border{ border-color:rgb(212, 60, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 60, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 60, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 60, 44);  
box-shadow:4px 4px 4px 4px rgb(212, 60,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2219, 17.4106, 4.2033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 60, 44) }
```

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

```
.background{ background-color: rgb(212, 60,  
44) }
```

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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