

Converting Colors

XYZ(29.0810, 17.7773, 2.1571)

Have a look what the booklet for
XYZ(29.0810, 17.7773, 2.1571)
contains.

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Color

**XYZ(29.0910, 17.7974,
2.1604)**

Conversions

Conversions Part 1

Format	Color
Hex	D44109
RGB	212, 65, 9
RGB Percent	83%, 25%, 4%
CMY	0.1686, 0.7451, 0.9647
CMYK	0.00, 0.69, 0.96, 0.17
HSL	17°, 92%, 43%
HSV	17°, 96%, 83%
XYZ	29.0910, 17.7974, 2.1604
YIQ	102.5690, 105.5880, 13.7480

Conversions

Conversions Part 2

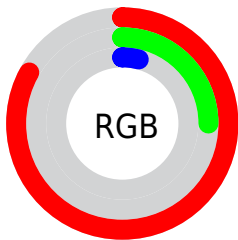
Format	Color
RYB	212, 86, 9
Decimal	13910281
CIELab	49.25, 55.71, 58.35
CIElCh	49, 80.678, 46.328
Yxy	17.7974, 0.5931, 0.3629
Android (android.graphics.Color)	4292100361 (0xFFD44109)
YUV	102.5690, -46.1295, 95.9710
Hunter-Lab	42.1870, 49.2616, 26.4946

Details

The XYZ color **29.0910, 17.7974, 2.1604** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **23.8832, 28.5854, 66.5456**, and the grayscale version is **12.8777, 13.5484, 14.7542**.

A 20% lighter version of the original color is **49.0028, 35.3049, 9.0823**, and **12.2127, 6.2959, 0.5715** is the 20% darker color. If you saturate the color by 10%, you get **28.6891, 17.0729, 1.7833**, and if you desaturate by 10%, it is **30.2833, 19.8821, 3.4834**.

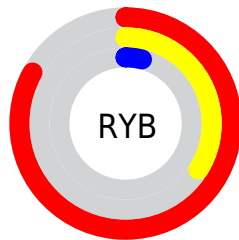
Distribution



Red (83%)

Green (25%)

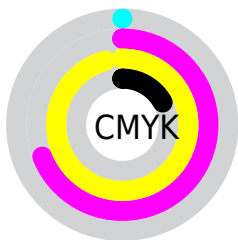
Blue (4%)



Red (83%)

Yellow (34%)

Blue (4%)

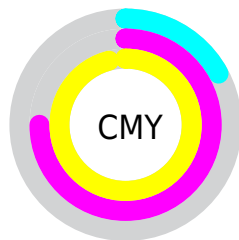


Cyan (0%)

Magenta (69%)

Yellow (96%)

Black (17%)



Cyan (17%)


Magenta (75%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0910, 17.7974, 2.1604 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 29.0910, 17.7974, 2.1604 by changing the saturation by 10% instead.


 29.0910, 17.7974,
2.1604


 29.0910, 17.7974,
2.1604


289.6305,
239.7266, 124.8198


 19.2943, 10.8046,
0.6514


 57.6182, 39.6918,
9.4749


 11.9884, 5.9356,
0.0000


 77.0794, 55.3622,
16.1500


 6.8079, 2.8060,
0.0000


 100.4928, 74.6940,
25.3951

 3.3875, 1.0313,
0.0000

 128.2238, 98.0714,
37.6288

 1.3619, 0.0000,
0.0000

 160.6377,
125.8791, 53.2696


 0.2288, 0.0000,
0.0000


 198.0999,


 0.0000, 0.0000,


158.5012, 72.7360


0.0000


 240.9757,
196.3222, 96.4465


 29.0910, 17.7974,
2.1604


 29.0910, 17.7974,
2.1604

 28.6891, 17.0729,
1.7833

 30.2833, 19.8821,
3.4834

 31.9142, 22.5528,
5.8497

 34.0319, 25.8553,
9.4313

 36.6765, 29.8292,
14.3677

 39.8837, 34.5107,
20.7793

■ 43.6859, 39.9331,
28.7732

■ 48.1126, 46.1276,
38.4461

■ 53.1916, 53.1235,
49.8872

■ 58.9487, 60.9486,
63.1794

Harmonies

Analogous

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



35.0850, 17.7974, 9.8619



29.0910, 17.7974, 2.1604



20.5954, 17.7974, 0.4559

Triad

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



29.0910, 17.7974, 2.1604



6.3473, 17.7974, 11.0998



21.3473, 17.7974, 93.2409

Complementary

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



29.0910, 17.7974, 2.1604



23.8832, 28.5854, 66.5456

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.



13.7030, 17.7974, 94.6732



29.0910, 17.7974, 2.1604



6.4386, 17.7974, 33.6207

Square

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



29.0910, 17.7974, 2.1604



8.4201, 17.7974, 2.4925



8.7233, 17.7974, 67.8800



29.7810, 17.7974, 64.7779

Rectangle

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



29.0910, 17.7974, 2.1604



15.3617, 17.7974, 0.3304



8.7233, 17.7974, 67.8800



18.5716, 17.7974, 97.3687

Sweetspot

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



29.0914, 17.7985, 2.1607



70.5781, 66.5832, 52.8749



33.4090, 16.6564, 33.7418



14.4927, 13.3913, 9.9793



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.



29.0914, 17.7985, 2.1607



43.4525, 25.6850, 2.6675



40.5896, 40.7948, 5.9934



12.6994, 12.9729, 12.9954



17.7840, 10.6852, 1.1251



1.1420, 0.7832, 0.0910

Inverse Universe

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



23.8832, 28.5854, 66.5456



35.3245, 41.7691, 100.8082



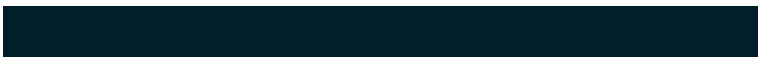
13.4283, 7.6757, 63.0607



12.4890, 13.5015, 15.8853



14.5079, 17.2776, 41.0234



0.9427, 1.1774, 2.4969

Previews

White Background



This preview shows how the XYZ color 29.0910, 17.7974, 2.1604 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 ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0910, 17.7974, 2.1604

Background



This preview shows how black text looks on a background with the XYZ color 29.0910, 17.7974, 2.1604.



This preview shows how white text looks on a background with the XYZ color 29.0910, 17.7974,

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

29.0910, 17.7974, 2.1604

Protanopia

16.1696, 17.9326, 3.5288

Deuteranopia

18.1886, 17.9779, 2.5114



Tritanopia

30.0065, 17.8425, 6.5651

Trichromacy



Original Color

29.0910, 17.7974, 2.1604

Protanomaly

19.2773, 16.5478, 2.7941

Deuteranomaly

21.1219, 16.9616, 2.2468

Tritanomaly

29.5992, 17.7658, 4.1546

Monochromacy



Original Color

29.0910, 17.7974, 2.1604

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

15.9742, 13.4141, 7.3775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0910, 17.7974, 2.1604 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, 65, 9)` looks like.

```
.text, #text, p{  
    color:rgb(212, 65, 9)  
}
```

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, 65, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 65, 9) }
```

Border

The CSS property to change the border of an element to XYZ 29.0910, 17.7974, 2.1604 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, 65, 9) }
```


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

```
.border{ border-color:rgb(212, 65, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 65, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 65, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 65, 9);  
box-shadow:4px 4px 4px 4px rgb(212, 65, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.0910, 17.7974, 2.1604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 65, 9) }
```

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

```
.background{ background-color: rgb(212, 65,  
9) }
```

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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