

Converting Colors

XYZ(29.1206, 17.3237, 2.2486)

Have a look what the booklet for
XYZ(29.1206, 17.3237, 2.2486)
contains.

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Color

**XYZ(29.0908, 17.3086,
2.2596)**

Conversions

Conversions Part 1

Format	Color
Hex	D53B0F
RGB	213, 59, 15
RGB Percent	84%, 23%, 6%
CMY	0.1647, 0.7686, 0.9412
CMYK	0.00, 0.72, 0.93, 0.16
HSL	13°, 87%, 45%
HSV	13°, 93%, 84%
XYZ	29.0908, 17.3086, 2.2596
YIQ	100.0300, 105.9080, 18.9640

Conversions

Conversions Part 2

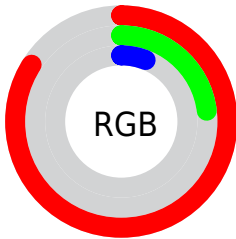
Format	Color
RYB	213, 72, 15
Decimal	13974287
CIELab	48.65, 58.31, 56.50
CIElCh	49, 81.191, 44.097
Yxy	17.3086, 0.5979, 0.3557
Android (android.graphics.Color)	4292164367 (0xFFD53B0F)
YUV	100.0300, -41.9198, 99.0747
Hunter-Lab	41.6036, 52.0076, 25.9023

Details

The XYZ color **29.0908, 17.3086, 2.2596** 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 **26.3934, 33.2780, 67.9825**, and the grayscale version is **12.2067, 12.8424, 13.9854**.

A 20% lighter version of the original color is **48.4985, 34.1560, 9.3468**, and **12.3944, 6.3896, 0.5800** is the 20% darker color. If you saturate the color by 10%, you get **28.4707, 16.2066, 1.6276**, and if you desaturate by 10%, it is **30.3188, 19.3861, 3.8373**.

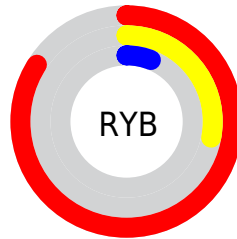
Distribution



Red (84%)

Green (23%)

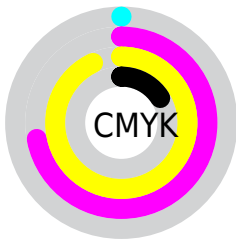
Blue (6%)



Red (84%)

Yellow (28%)

Blue (6%)

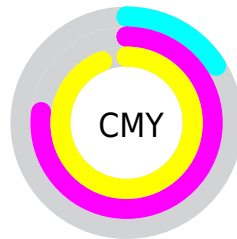


Cyan (0%)

Magenta (72%)

Yellow (93%)

Black (16%)



Cyan (16%)


Magenta (77%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0908, 17.3086, 2.2596 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 29.0908, 17.3086, 2.2596 by changing the saturation by 10% instead.


 29.0908, 17.3086,
2.2596


 29.0908, 17.3086,
2.2596


289.6296,
236.9445, 126.2859


 19.2941, 10.4548,
0.7085


 57.6179, 38.8556,
9.7391


 11.9883, 5.7015,
0.0000


 77.0790, 54.3176,
16.5265

 6.8078, 2.6644,
0.0000


 100.4924, 73.4177,
25.9037

 3.3875, 0.9592,
0.0000

 128.2233, 96.5404,
38.2893

 1.3618, 0.0000,
0.0000

 160.6371,
124.0700, 54.1017

 0.2288, 0.0000,
0.0000


 198.0992,


 0.0000, 0.0000,


156.3910, 73.7596


0.0000


 240.9749,
193.8877, 97.6815


 29.0908, 17.3086,
2.2596


 29.0908, 17.3086,
2.2596


 28.4707, 16.2066,
1.6276

 30.3188, 19.3861,
3.8373

 32.0335, 22.1265,
6.5327

 34.2857, 25.5843,
10.5097

 37.1188, 29.8067,
15.9049

 40.5716, 34.8371,
22.8370

■ 44.6794, 40.7153,
31.4121

■ 49.4747, 47.4785,
41.7270

■ 54.9878, 55.1617,
53.8709

■ 61.2471, 63.7978,
67.9268

Harmonies

Analogous

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



34.7116, 17.3086, 10.4897



29.0908, 17.3086, 2.2596



20.7148, 17.3086, 0.4048

Triad

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



29.0908, 17.3086, 2.2596



6.1347, 17.3086, 9.6635



20.2082, 17.3086, 93.6576

Complementary

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



29.0908, 17.3086, 2.2596



26.3934, 33.2780, 67.9825

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.



12.8170, 17.3086, 92.6821



29.0908, 17.3086, 2.2596



6.0741, 17.3086, 30.7618

Square

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



29.0908, 17.3086, 2.2596



8.3362, 17.3086, 2.0436



8.1341, 17.3086, 64.4872



28.6244, 17.3086, 66.5951

Rectangle

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



29.0908, 17.3086, 2.2596



15.4452, 17.3086, 0.2020



8.1341, 17.3086, 64.4872



17.5001, 17.3086, 97.0019

Sweetspot

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



29.0912, 17.3096, 2.2599



70.3816, 65.7675, 54.1128



34.8764, 17.3938, 39.5990



14.4168, 13.1603, 10.1987



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.



29.0912, 17.3096, 2.2599



42.6873, 24.1546, 2.4124



39.5667, 38.2607, 5.7517



12.6449, 12.8640, 12.9772



17.4542, 10.0257, 1.0152



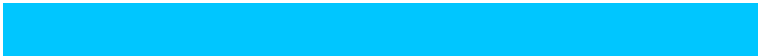
1.1156, 0.7304, 0.0822

Inverse Universe

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



26.3934, 33.2780, 67.9825



38.3175, 47.7550, 101.8058



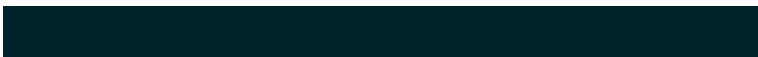
14.4669, 9.4251, 64.0070



12.5472, 13.6177, 15.9047



15.7068, 19.6754, 41.4231



1.0064, 1.3048, 2.5181

Previews

White Background



This preview shows how the XYZ color 29.0908, 17.3086, 2.2596 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

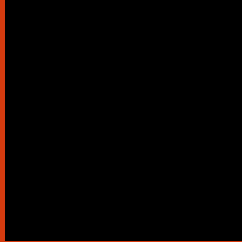
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.0908, 17.3086, 2.2596

Background



This preview shows how black text looks on a background with the XYZ color 29.0908, 17.3086, 2.2596.



This preview shows how white text looks on a background with the XYZ color 29.0908, 17.3086,

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

29.0908, 17.3086, 2.2596

Protanopia

15.9557, 17.6416, 3.7925

Tritanopia

29.8363, 17.3239, 5.6422

Trichromacy



Original Color

29.0908, 17.3086, 2.2596

Protanomaly

19.0563, 16.0130, 3.0061

Tritanomaly

29.5636, 17.2917, 3.9699

Monochromacy



Original Color

29.0908, 17.3086, 2.2596

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

15.3072, 12.5894, 7.2534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0908, 17.3086, 2.2596 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(213, 59, 15)` looks like.

```
.text, #text, p{  
    color:rgb(213, 59, 15)  
}
```

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(213, 59, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 59, 15) }
```

Border

The CSS property to change the border of an element to XYZ 29.0908, 17.3086, 2.2596 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(213, 59, 15) }
```

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

```
.border{ border-color:rgb(213, 59, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 59, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 59, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 59, 15);  
box-shadow:4px 4px 4px 4px rgb(213, 59,  
15) }
```


Background

The CSS property to change the background color of an element to XYZ 29.0908, 17.3086, 2.2596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 59, 15) }
```

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

```
.background{ background-color: rgb(213, 59,  
15) }
```

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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