

Converting Colors

XYZ(29.0853, 15.1157, 2.0499)

Have a look what the booklet for
XYZ(29.0853, 15.1157, 2.0499)
contains.

XYZ(29.1374, 15.1513, 2.0506)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.1374, 15.1513,
2.0506)**

Conversions

Conversions Part 1

Format	Color
Hex	DA0914
RGB	218, 9, 20
RGB Percent	85%, 4%, 8%
CMY	0.1451, 0.9645, 0.9216
CMYK	0.00, 0.96, 0.91, 0.15
HSL	357°, 92%, 45%
HSV	357°, 96%, 85%
XYZ	29.1374, 15.1513, 2.0506
YIQ	72.7450, 121.0330, 47.7290

Conversions

Conversions Part 2

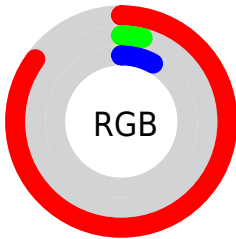
Format	Color
RYB	218, 9, 20
Decimal	14289172
CIELab	45.84, 70.58, 53.41
CIELCh	46, 88.514, 37.115
Yxy	15.1513, 0.6288, 0.3270
Android (android.graphics.Color)	4292479252 (0xFFDA0914)
YUV	72.7450, -26.0033, 127.3886
Hunter-Lab	38.9247, 65.4995, 24.1238

Details

The XYZ color **29.1374, 15.1513, 2.0506** 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 **36.4529, 54.7082, 67.7009**, and the grayscale version is **6.3222, 6.6514, 7.2434**.

A 20% lighter version of the original color is **46.0245, 29.1595, 8.6714**, and **13.1369, 6.7723, 0.6148** is the 20% darker color. If you saturate the color by 10%, you get **28.9761, 14.9305, 1.6843**, and if you desaturate by 10%, it is **29.7936, 16.0352, 3.5915**.

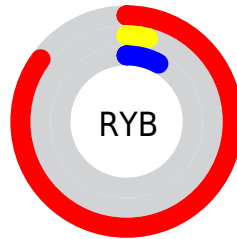
Distribution



Red (85%)

Green (4%)

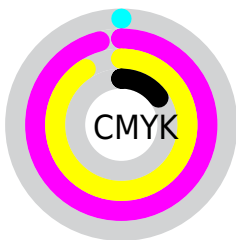
Blue (8%)



Red (85%)

Yellow (4%)

Blue (8%)

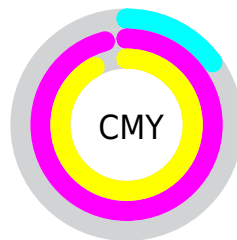


Cyan (0%)

Magenta (96%)

Yellow (91%)

Black (15%)



Cyan (15%)


Magenta (96%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1374, 15.1513, 2.0506 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 29.1374, 15.1513, 2.0506 by changing the saturation by 10% instead.


 29.1374, 15.1513,
2.0506


 29.1374, 15.1513,
2.0506


289.8452,
224.2802, 123.1576


 19.3296, 8.9256,
0.5861


 57.6914, 35.1184,
9.1787

 12.0141, 4.6927,
0.0000


 77.1682, 49.6286,
15.7267


 6.8255, 2.0681,
0.0000


 100.5988, 67.6691,
24.8220

 3.3986, 0.6466,
0.0000

 128.3485, 89.6244,
36.8832

 1.3679, 0.0000,
0.0000

 160.7826,
115.8787, 52.3288


 0.2332, 0.0000,
0.0000


 198.2666,


 0.0000, 0.0000,


146.8165, 71.5774


0.0000


 241.1656,
182.8222, 95.0475


 29.1374, 15.1513,
2.0506

 29.1374, 15.1513,
2.0506


 28.9761, 14.9305,
1.6843

 29.7936, 16.0352,
3.5915

 31.0212, 17.7600,
6.2526

 32.9141, 20.4719,
10.1939

 35.5485, 24.2885,
15.5494

 38.9906, 29.3111,
22.4360

■ 43.2991, 35.6294,
30.9586

■ 48.5272, 43.3247,
41.2127

■ 54.7239, 52.4716,
53.2867

■ 61.9347, 63.1394,
67.2626

Harmonies

Analogous

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



33.8424, 15.1513, 11.9135



29.1374, 15.1513, 2.0506



20.7312, 15.1513, 0.0000

Triad

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



29.1374, 15.1513, 2.0506



4.8151, 15.1513, 5.1226



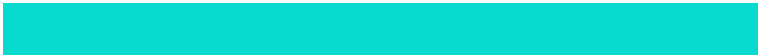
16.2519, 15.1513, 100.0737

Complementary

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



29.1374, 15.1513, 2.0506



36.4529, 54.7082, 67.7009

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.



9.5114, 15.1513, 90.6798



29.1374, 15.1513, 2.0506



4.3408, 15.1513, 22.1274

Square

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



29.1374, 15.1513, 2.0506



7.3629, 15.1513, 0.5910



5.7228, 15.1513, 55.7822



24.9080, 15.1513, 75.7351

Rectangle

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



29.1374, 15.1513, 2.0506



15.1350, 15.1513, 0.0000



5.7228, 15.1513, 55.7822



13.6908, 15.1513, 100.9555

Sweetspot

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



29.1377, 15.1523, 2.0508



66.5232, 57.8277, 53.5135



37.6739, 18.1055, 67.8382



13.5590, 11.3772, 10.1203



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.



29.1377, 15.1523, 2.0508



41.3150, 21.2900, 2.3250



33.4812, 23.9619, 3.1203



13.0836, 13.0625, 13.7013



17.3720, 8.9498, 1.0729



1.1354, 0.5838, 0.1219

Inverse Universe

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



29.1377, 15.1523, 2.0508



41.3150, 21.2900, 2.3250



20.4163, 20.4167, 69.1939



13.0836, 13.0625, 13.7013



17.3720, 8.9498, 1.0729



1.1354, 0.5838, 0.1219

Previews

White Background



This preview shows how the XYZ color 29.1374, 15.1513, 2.0506 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 29.1374, 15.1513, 2.0506

Background



This preview shows how black text looks on a background with the XYZ color 29.1374, 15.1513, 2.0506.



This preview shows how white text looks on a background with the XYZ color 29.1374, 15.1513,

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

29.1374, 15.1513, 2.0506

Protanopia

14.1105, 15.5093, 4.1693

Deuteranopia

15.6990, 15.5921, 2.1822



Tritanopia

28.8654, 15.2520, 1.4226

Trichromacy



Original Color

29.1374, 15.1513, 2.0506

Protanomaly

16.7438, 12.1385, 2.8270

Deuteranomaly

18.3770, 12.7205, 1.6877

Tritanomaly

28.8389, 15.1376, 1.6029

Monochromacy



Original Color

29.1374, 15.1513, 2.0506

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

10.4106, 6.9832, 4.2892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1374, 15.1513, 2.0506 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(218, 9, 20)` looks like.

```
.text, #text, p{  
    color:rgb(218, 9, 20)  
}
```

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(218, 9, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 9, 20) }
```

Border

The CSS property to change the border of an element to XYZ 29.1374, 15.1513, 2.0506 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(218, 9, 20) }
```


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

```
.border{ border-color:rgb(218, 9, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 9, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 9, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 9, 20);  
box-shadow:4px 4px 4px 4px rgb(218, 9, 20)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.1374, 15.1513, 2.0506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 9, 20) }
```

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

```
.background{ background-color: rgb(218, 9,  
20) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor