

Converting Colors

XYZ(29.1103, 15.0721, 3.5689)

Have a look what the booklet for
XYZ(29.1103, 15.0721, 3.5689)
contains.

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Color

**XYZ(29.1092, 15.0708,
3.5652)**

Conversions

Conversions Part 1

Format	Color
Hex	D9072A
RGB	217, 7, 42
RGB Percent	85%, 3%, 16%
CMY	0.1490, 0.9724, 0.8353
CMYK	0.00, 0.97, 0.81, 0.15
HSL	350°, 94%, 44%
HSV	350°, 97%, 85%
XYZ	29.1092, 15.0708, 3.5652
YIQ	73.7800, 113.9250, 55.4050

Conversions

Conversions Part 2

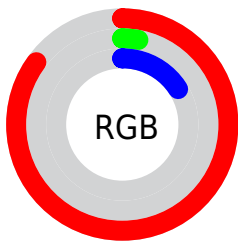
Format	Color
RYB	217, 7, 42
Decimal	14223146
CIELab	45.73, 70.95, 42.45
CIELCh	46, 82.676, 30.893
Yxy	15.0708, 0.6097, 0.3157
Android (android.graphics.Color)	4292413226 (0xFFD9072A)
YUV	73.7800, -15.6675, 125.6039
Hunter-Lab	38.8211, 65.9075, 21.7298

Details

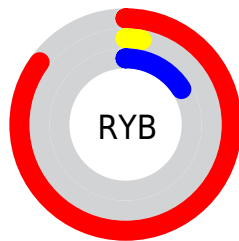
The XYZ color **29.1092, 15.0708, 3.5652** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **33.3491, 53.0502, 52.7625**, and the grayscale version is **6.4870, 6.8249, 7.4323**.

A 20% lighter version of the original color is **46.6576, 29.2769, 12.4244**, and **13.1369, 6.7723, 0.6148** is the 20% darker color. If you saturate the color by 10%, you get **28.9355, 14.8798, 3.0263**, and if you desaturate by 10%, it is **29.8662, 15.9451, 5.7907**.

Distribution



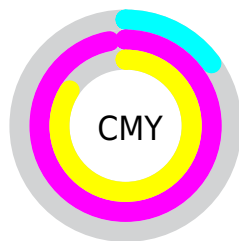
- Red (85%)
- Green (3%)
- Blue (16%)



- Red (85%)
- Yellow (3%)
- Blue (16%)



- Cyan (0%)
- Magenta (97%)
- Yellow (81%)
- Black (15%)





- Cyan (15%)
- Magenta (97%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1092, 15.0708, 3.5652 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 29.1092, 15.0708, 3.5652 by changing the saturation by 10% instead.

 29.1092, 15.0708,
3.5652


 29.1092, 15.0708,
3.5652

289.7148,
223.7944, 143.2625

 19.3081, 8.8691,
1.3900


 57.6469, 34.9773,
12.9939


 11.9985, 4.6559,
0.1339


 77.1142, 49.4510,
21.0844


 6.8148, 2.0468,
0.0000


 100.5344, 67.4507,
31.9838

 3.3919, 0.6345,
0.0000

 128.2727, 89.3608,
46.1106

 1.3642, 0.0000,
0.0000

 160.6946,
115.5659, 63.8833

 0.2305, 0.0000,
0.0000

 198.1653,

 0.0000, 0.0000,

146.4503, 85.7205

0.0000

241.0502,
182.3983, 112.0407

■ 29.1092, 15.0708,
3.5652

■ 29.1092, 15.0708,
3.5652

■ 28.9355, 14.8798,
3.0263

■ 29.8662, 15.9451,
5.7907

■ 31.1563, 17.6237,
9.0002

■ 33.0653, 20.2546,
13.2964

■ 35.6613, 23.9525,
18.7677

■ 39.0030, 28.8158,
25.4930

■ 43.1430, 34.9318,
33.5443

■ 48.1288, 42.3791,
42.9881

■ 54.0043, 51.2303,
53.8864

■ 60.8103, 61.5524,
66.2974

Harmonies

Analogous

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



32.2526, 15.0708, 15.8209



29.1092, 15.0708, 3.5652



21.8508, 15.0708, 0.4622

Triad

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



29.1092, 15.0708, 3.5652



5.5386, 15.0708, 3.9513



14.5334, 15.0708, 92.0320

Complementary

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



29.1092, 15.0708, 3.5652



33.3491, 53.0502, 52.7625

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.



8.7614, 15.0708, 77.6266



29.1092, 15.0708, 3.5652



4.6918, 15.0708, 17.0126

Square

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



29.1092, 15.0708, 3.5652



8.5043, 15.0708, 0.5523



5.6498, 15.0708, 44.9152



22.3318, 15.0708, 75.9596

Rectangle

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



29.1092, 15.0708, 3.5652



16.5435, 15.0708, 0.0000



5.6498, 15.0708, 44.9152



12.3131, 15.0708, 90.5331

Sweetspot

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



29.1095, 15.0718, 3.5654



67.4401, 58.1945, 58.3420



31.8939, 15.1086, 66.8806



13.7692, 11.4613, 11.2275



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.



29.1095, 15.0718, 3.5654



41.6661, 21.4304, 4.1738



31.3097, 20.0791, 2.4278



13.1440, 13.0867, 14.0198



17.5423, 9.0180, 1.9700



1.1641, 0.5953, 0.2730

Inverse Universe

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



29.1095, 15.0718, 3.5654



41.6661, 21.4304, 4.1738



23.0486, 25.9273, 69.4350



13.1440, 13.0867, 14.0198



17.5423, 9.0180, 1.9700



1.1641, 0.5953, 0.2730

Previews

White Background



This preview shows how the XYZ color 29.1092, 15.0708, 3.5652 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 29.1092, 15.0708, 3.5652 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 29.1092, 15.0708, 3.5652

Background



This preview shows how black text looks on a background with the XYZ color 29.1092, 15.0708, 3.5652.



This preview shows how white text looks on a background with the XYZ color 29.1092, 15.0708,

3.5652.

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

29.1092, 15.0708, 3.5652

Protanopia

14.2758, 15.5266, 7.2455

Deuteranopia

15.6070, 15.3741, 3.0646



Tritanopia

28.8481, 15.2175, 1.4168

Trichromacy



Original Color

29.1092, 15.0708, 3.5652

Protanomaly

16.6386, 12.0291, 5.3158

Deuteranomaly

18.3118, 12.5707, 2.7576

Tritanomaly

28.8723, 15.1279, 1.8502

Monochromacy



Original Color

29.1092, 15.0708, 3.5652

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

10.6143, 7.0646, 5.3616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1092, 15.0708, 3.5652 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(217, 7, 42)` looks like.

```
.text, #text, p{  
    color:rgb(217, 7, 42)  
}
```

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(217, 7, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 7, 42) }
```

Border

The CSS property to change the border of an element to XYZ 29.1092, 15.0708, 3.5652 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(217, 7, 42) }
```


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

```
.border{ border-color:rgb(217, 7, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 7, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 7, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 7, 42);  
box-shadow:4px 4px 4px 4px rgb(217, 7, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.1092, 15.0708, 3.5652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 7, 42) }
```

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

```
.background{ background-color: rgb(217, 7,  
42) }
```

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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