

Converting Colors

XYZ(29.5874, 15.2201, 2.8649)

Have a look what the booklet for
XYZ(29.5874, 15.2201, 2.8649)
contains.

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Color

**XYZ(29.5022, 15.1756,
2.8876)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0022
RGB	219, 0, 34
RGB Percent	86%, 0%, 13%
CMY	0.1412, 0.9998, 0.8667
CMYK	0.00, 1.00, 0.84, 0.14
HSL	351°, 100%, 43%
HSV	351°, 100%, 86%
XYZ	29.5022, 15.1756, 2.8876
YIQ	69.3570, 119.6100, 57.0020

Conversions

Conversions Part 2

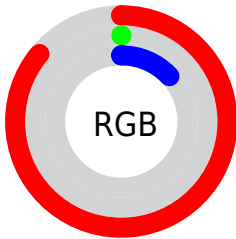
Format	Color
RYB	219, 0, 34
Decimal	14352418
CIELab	45.87, 71.84, 47.04
CIElCh	46, 85.870, 33.214
Yxy	15.1756, 0.6202, 0.3190
Android (android.graphics.Color)	4292542498 (0xFFDB0022)
YUV	69.3570, -17.4310, 131.2369
Hunter-Lab	38.9559, 67.0095, 22.8742

Details

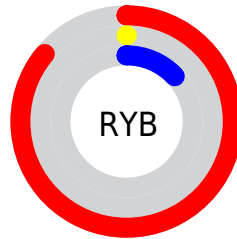
The XYZ color **29.5022, 15.1756, 2.8876** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **34.0942, 54.1679, 54.5852**, and the grayscale version is **5.7337, 6.0323, 6.5691**.

A 20% lighter version of the original color is **46.2603, 28.9839, 10.7457**, and **13.3264, 6.8700, 0.6237** is the 20% darker color. If you saturate the color by 10%, you get **29.5014, 15.1752, 2.8844**, and if you desaturate by 10%, it is **30.1305, 15.8844, 4.7866**.

Distribution



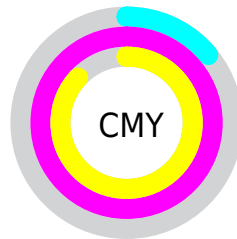
- Red (86%)
- Green (0%)
- Blue (13%)



- Red (86%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (84%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5022, 15.1756, 2.8876 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 29.5022, 15.1756, 2.8876 by changing the saturation by 10% instead.


 29.5022, 15.1756,
2.8876


 29.5022, 15.1756,
2.8876


291.5288,
224.4266, 134.9159


 19.6072, 8.9427,
1.0375


 58.2661, 35.1609,
11.3498


 12.2165, 4.7038,
0.0000


 77.8657, 49.6822,
18.7990


 6.9645, 2.0746,
0.0000


 101.4310, 67.7350,
28.9517

 3.4861, 0.6503,
0.0000

 129.3272, 89.7038,
42.2264

 1.4157, 0.0000,
0.0000

 161.9197,
115.9730, 59.0416


 0.2674, 0.0000,
0.0000


 199.5739,


 0.0000, 0.0000,


146.9269, 79.8159


0.0000


 242.6552,
182.9500, 104.9678


 29.5022, 15.1756,
2.8876


 29.5022, 15.1756,
2.8876


 29.5014, 15.1752,
2.8844

 30.1305, 15.8844,
4.7866

 31.2460, 17.3053,
7.6561

 32.9717, 19.6573,
11.6209

 35.3820, 23.0653,
16.7793

 38.5404, 27.6349,
23.2183

■ 42.5030, 33.4590,
31.0165

■ 47.3204, 40.6207,
40.2462

■ 53.0390, 49.1963,
50.9747

■ 59.7020, 59.2561,
63.2649

Harmonies

Analogous

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



33.2855, 15.1756, 14.3862



29.5022, 15.1756, 2.8876



21.6580, 15.1756, 0.1704

Triad

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



29.5022, 15.1756, 2.8876



5.2189, 15.1756, 4.2758



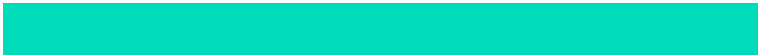
15.2192, 15.1756, 96.9570

Complementary

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



29.5022, 15.1756, 2.8876



34.0942, 54.1679, 54.5852

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.



9.0121, 15.1756, 83.8693



29.5022, 15.1756, 2.8876



4.5060, 15.1756, 18.8630

Square

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



29.5022, 15.1756, 2.8876



8.0591, 15.1756, 0.5069



5.6256, 15.1756, 49.4336



23.4808, 15.1756, 77.4346

Rectangle

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



29.5022, 15.1756, 2.8876



16.1337, 15.1756, 0.0000



5.6256, 15.1756, 49.4336



12.8394, 15.1756, 96.2534

Sweetspot

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



29.5025, 15.1766, 2.8878



66.5939, 57.0337, 56.4215



32.1983, 15.1226, 68.2393



13.6056, 11.2415, 10.8417



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.



29.5025, 15.1766, 2.8878



41.6152, 21.4101, 3.9058



31.5983, 19.8296, 2.1635



13.1379, 13.0843, 13.9876



17.5187, 9.0085, 1.8455



1.1612, 0.5941, 0.2578

Inverse Universe

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



29.5025, 15.1766, 2.8878



41.6152, 21.4101, 3.9058



23.0682, 25.6776, 70.7579



13.1379, 13.0843, 13.9876



17.5187, 9.0085, 1.8455



1.1612, 0.5941, 0.2578

Previews

White Background



This preview shows how the XYZ color 29.5022, 15.1756, 2.8876 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 29.5022, 15.1756, 2.8876

Background



This preview shows how black text looks on a background with the XYZ color 29.5022, 15.1756, 2.8876.



This preview shows how white text looks on a background with the XYZ color 29.5022, 15.1756,

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

29.5022, 15.1756, 2.8876

Protanopia

14.4001, 15.7823, 5.9018

Deuteranopia

15.8668, 15.6786, 2.1900



Tritanopia

29.1636, 15.4057, 1.4365

Trichromacy



Original Color

29.5022, 15.1756, 2.8876

Protanomaly

16.6710, 11.8798, 4.1037

Deuteranomaly

18.4357, 12.4759, 1.7842

Tritanomaly

29.1237, 15.2198, 1.7506

Monochromacy



Original Color

29.5022, 15.1756, 2.8876

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

9.9267, 6.3720, 4.4481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5022, 15.1756, 2.8876 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(219, 0, 34)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 34)  
}
```

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(219, 0, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 34) }
```

Border

The CSS property to change the border of an element to XYZ 29.5022, 15.1756, 2.8876 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(219, 0, 34) }
```


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

```
.border{ border-color:rgb(219, 0, 34) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 34);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 34)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.5022, 15.1756, 2.8876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 34) }
```

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

```
.background{ background-color: rgb(219, 0,  
34) }
```

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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