

Converting Colors

XYZ(29.6434, 16.2729, 3.4174)

Have a look what the booklet for
XYZ(29.6434, 16.2729, 3.4174)
contains.

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Color

**XYZ(29.6582, 16.2779,
3.4125)**

Conversions

Conversions Part 1

Format	Color
Hex	D92626
RGB	217, 38, 38
RGB Percent	85%, 15%, 15%
CMY	0.1490, 0.8509, 0.8510
CMYK	0.00, 0.82, 0.82, 0.15
HSL	0°, 70%, 50%
HSV	0°, 82%, 85%
XYZ	29.6582, 16.2779, 3.4125
YIQ	91.5210, 106.6840, 37.9480

Conversions

Conversions Part 2

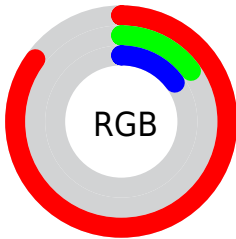
Format	Color
R_{YB}	217, 38, 38
Decimal	14231078
CIE _{Lab}	47.34, 66.13, 46.14
CIE _{LCh}	47, 80.638, 34.907
Yxy	16.2779, 0.6010, 0.3299
Android (android.graphics.Color)	4292421158 (0xFFD92626)
YUV	91.5210, -26.3859, 110.0451
Hunter-Lab	40.3459, 60.6098, 23.2273

Details

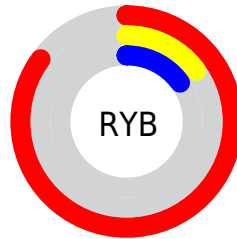
The XYZ color **29.6582, 16.2779, 3.4125** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **38.1316, 55.0378, 74.2586**, and the grayscale version is **10.1060, 10.6323, 11.5786**.

A 20% lighter version of the original color is **47.6311, 31.4186, 12.1483**, and **13.1369, 6.7723, 0.6148** is the 20% darker color. If you saturate the color by 10%, you get **28.9009, 15.1700, 1.9069**, and if you desaturate by 10%, it is **31.0237, 18.2767, 6.1262**.

Distribution



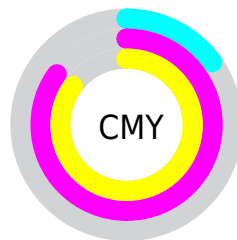
- Red (85%)
- Green (15%)
- Blue (15%)



- Red (85%)
- Yellow (15%)
- Blue (15%)



- Cyan (0%)
- Magenta (82%)
- Yellow (82%)
- Black (15%)





- Cyan (15%)
- Magenta (85%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6582, 16.2779, 3.4125 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 29.6582, 16.2779, 3.4125 by changing the saturation by 10% instead.


 29.6582, 16.2779,
3.4125


 29.6582, 16.2779,
3.4125


292.2465,
230.9760, 141.4525


 19.7261, 9.7210,
1.3089


 58.5116, 37.0800,
12.6304


 12.3032, 5.2144,
0.0691


 78.1635, 52.0940,
20.5818

 7.0242, 2.3736,
0.0000


 101.7861, 70.6958,
31.3195

 3.5237, 0.8123,
0.0000

 129.7448, 93.2698,
45.2622

 1.4364, 0.0000,
0.0000

 162.4048,
120.2005, 62.8283

 0.2819, 0.0000,
0.0000

 200.1315,

 0.0000, 0.0000,

151.8721, 84.4363

0.0000

243.2903,
188.6692, 110.5049

29.6582, 16.2779,
3.4125

29.6582, 16.2779,
3.4125

28.9009, 15.1700,
1.9069

31.0237, 18.2767,
6.1262


28.6152, 14.7520,
1.3392

33.0885, 21.2982,
10.2305


35.9296, 25.4556,
15.8781


39.6134, 30.8461,
23.2012

44.1995, 37.5569,
32.3182

 49.7420, 45.6671,
43.3365

 56.2907, 55.2496,
56.3552

 63.8919, 66.3722,
71.4666

 72.5892, 79.0986,
88.7571

Harmonies

Analogous

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



33.5454, 16.2779, 14.5732



29.6582, 16.2779, 3.4125



22.0446, 16.2779, 0.6004

Triad

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



29.6582, 16.2779, 3.4125



6.0809, 16.2779, 5.7427



16.6742, 16.2779, 92.6838

Complementary

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



29.6582, 16.2779, 3.4125



38.1316, 55.0378, 74.2586

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.



10.3553, 16.2779, 82.3615



29.6582, 16.2779, 3.4125



5.4377, 16.2779, 21.2988

Square

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



29.6582, 16.2779, 3.4125



8.8777, 16.2779, 1.0875



6.7320, 16.2779, 51.0238



24.7177, 16.2779, 73.3591

Rectangle

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



29.6582, 16.2779, 3.4125



16.7210, 16.2779, 0.0906



6.7320, 16.2779, 51.0238



14.2862, 16.2779, 92.6503

Sweetspot

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



29.6586, 16.2789, 3.4127



69.3583, 62.4061, 57.8246



41.8324, 21.1475, 67.5221



14.2343, 12.4631, 11.1617



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.



29.6586, 16.2789, 3.4127



41.2819, 21.3215, 2.0129



36.6189, 30.1997, 5.7329



13.0562, 13.0517, 13.5567



17.3224, 8.9303, 0.8107



1.1223, 0.5786, 0.0525

Inverse Universe

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



38.1316, 55.0378, 74.2586



53.8339, 78.7404, 106.9688



20.9777, 20.7300, 68.5406



13.4448, 14.8294, 16.8059



22.5987, 33.0668, 44.9299



1.4641, 2.1423, 2.9108

Previews

White Background



This preview shows how the XYZ color 29.6582, 16.2779, 3.4125 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 29.6582, 16.2779, 3.4125 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 29.6582, 16.2779, 3.4125

Background



This preview shows how black text looks on a background with the XYZ color 29.6582, 16.2779, 3.4125.



This preview shows how white text looks on a background with the XYZ color 29.6582, 16.2779,

3.4125.

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

29.6582, 16.2779, 3.4125

Protanopia

15.1011, 16.4656, 6.2532

Deuteranopia

16.7029, 16.4020, 2.9017



Tritanopia

29.6423, 16.2715, 3.3287

Trichromacy



Original Color

29.6582, 16.2779, 3.4125

Protanomaly

18.0041, 14.1550, 4.8009

Deuteranomaly

19.7813, 14.6552, 2.7634

Tritanomaly

29.6423, 16.2715, 3.3287

Monochromacy



Original Color

29.6582, 16.2779, 3.4125

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

13.8036, 10.4210, 7.4148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6582, 16.2779, 3.4125 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, 38, 38)` looks like.

```
.text, #text, p{  
    color:rgb(217, 38, 38)  
}
```

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, 38, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 38, 38) }
```

Border

The CSS property to change the border of an element to XYZ 29.6582, 16.2779, 3.4125 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, 38, 38) }
```


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

```
.border{ border-color:rgb(217, 38, 38) }
```

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

Here you see how a box with a 4 pixel rgb(217, 38, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 38, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 38, 38);  
box-shadow:4px 4px 4px 4px rgb(217, 38,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6582, 16.2779, 3.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 38, 38) }
```

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

```
.background{ background-color: rgb(217, 38,  
38) }
```

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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