

Converting Colors

XYZ(29.3457, 16.4770, 3.6412)

Have a look what the booklet for
XYZ(29.3457, 16.4770, 3.6412)
contains.

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Color

**XYZ(29.3457, 16.4770,
3.6412)**

Conversions

Conversions Part 1

Format	Color
Hex	D72D28
RGB	215, 45, 40
RGB Percent	84%, 18%, 16%
CMY	0.1569, 0.8235, 0.8431
CMYK	0.00, 0.79, 0.81, 0.16
HSL	2°, 69%, 50%
HSV	2°, 81%, 84%
XYZ	29.3457, 16.4770, 3.6412
YIQ	95.2600, 102.9250, 34.4850

Conversions

Conversions Part 2

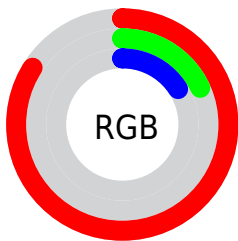
Format	Color
R _Y B	215, 45, 40
Decimal	14101800
CIE Lab	47.59, 63.83, 45.21
CIE LCh	48, 78.216, 35.311
Yxy	16.4770, 0.5933, 0.3331
Android (android.graphics.Color)	4292291880 (0xFFD72D28)
YUV	95.2600, -27.2432, 105.0120
Hunter-Lab	40.5919, 58.0100, 23.0958

Details

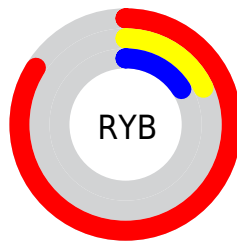
The XYZ color **29.3457, 16.4770, 3.6412** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **36.1840, 51.4438, 72.3120**, and the grayscale version is **10.9871, 11.5593, 12.5881**.

A 20% lighter version of the original color is **48.1143, 32.2562, 12.7070**, and **12.7625, 6.5793, 0.5973** is the 20% darker color. If you saturate the color by 10%, you get **28.4668, 15.1509, 2.0180**, and if you desaturate by 10%, it is **30.8222, 18.6738, 6.4659**.

Distribution



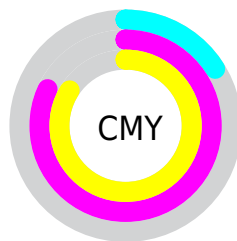
- Red (84%)
- Green (18%)
- Blue (16%)



- Red (84%)
- Yellow (18%)
- Blue (16%)



- Cyan (0%)
- Magenta (79%)
- Yellow (81%)
- Black (16%)





- Cyan (16%)
- Magenta (82%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3457, 16.4770, 3.6412 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 29.3457, 16.4770, 3.6412 by changing the saturation by 10% instead.


 29.3457, 16.4770,
3.6412


 29.3457, 16.4770,
3.6412


290.8075,
232.1402, 144.1497


 19.4881, 9.8623,
1.4306


 58.0197, 37.4243,
13.1734


 12.1296, 5.3078,
0.1654


 77.5667, 52.5258,
21.3322


 6.9048, 2.4289,
0.0000


 101.0743, 71.2249,
32.3107

 3.4484, 0.8407,
0.0000

 128.9077, 93.9062,
46.5277

 1.3951, 0.0000,
0.0000

 161.4324,
120.9540, 64.4015

 0.2527, 0.0000,
0.0000

 199.0137,

 0.0000, 0.0000,

152.7526, 86.3507

0.0000

242.0169,
189.6866, 112.7939

■ 29.3457, 16.4770,
3.6412

■ 29.3457, 16.4770,
3.6412

■ 28.4668, 15.1509,
2.0180

■ 30.8222, 18.6738,
6.4659

■ 28.0910, 14.5807,
1.3338

■ 32.9761, 21.8527,
10.6637

■ 35.8757, 26.1115,
16.3796

■ 39.5812, 31.5356,
23.7397

■ 44.1462, 38.2019,
32.8571

■ 49.6201, 46.1805,
43.8349

■ 56.0481, 55.5365,
56.7681

■ 63.4729, 66.3306,
71.7453

■ 71.9342, 78.6198,
88.8499

Harmonies

Analogous

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



33.1612, 16.4770, 14.6164



29.3457, 16.4770, 3.6412



21.9545, 16.4770, 0.7686

Triad

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



29.3457, 16.4770, 3.6412



6.3653, 16.4770, 6.2075



16.9348, 16.4770, 89.7532

Complementary

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



29.3457, 16.4770, 3.6412



36.1840, 51.4438, 72.3120

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.



10.7021, 16.4770, 80.3202



29.3457, 16.4770, 3.6412



5.7457, 16.4770, 21.7341

Square

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



29.3457, 16.4770, 3.6412



9.1198, 16.4770, 1.3092



7.0707, 16.4770, 50.5411



24.7581, 16.4770, 71.0485

Rectangle

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



29.3457, 16.4770, 3.6412



16.7826, 16.4770, 0.2870



7.0707, 16.4770, 50.5411



14.5903, 16.4770, 89.8594

Sweetspot

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



29.3461, 16.4780, 3.6414



70.5944, 64.4246, 59.6357



40.6770, 20.7223, 64.1979



14.4862, 12.8801, 11.5130



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.



29.3461, 16.4780, 3.6414



41.4026, 21.5404, 2.1220



36.4453, 30.6765, 6.0079



12.4515, 12.4772, 12.9128



16.8150, 8.7473, 0.8022



1.0245, 0.5481, 0.0518

Inverse Universe

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



36.1840, 51.4438, 72.3120



51.6325, 74.2902, 106.2259



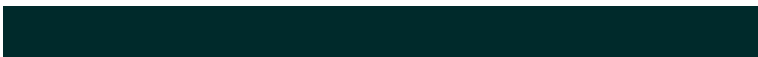
20.4218, 19.9194, 67.0580



12.7603, 14.0440, 15.9757



20.9646, 30.1909, 43.1756



1.2743, 1.8406, 2.6074

Previews

White Background



This preview shows how the XYZ color 29.3457, 16.4770, 3.6412 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 29.3457, 16.4770, 3.6412 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 29.3457, 16.4770, 3.6412

Background



This preview shows how black text looks on a background with the XYZ color 29.3457, 16.4770, 3.6412.



This preview shows how white text looks on a background with the XYZ color 29.3457, 16.4770,

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

29.3457, 16.4770, 3.6412

Protanopia

15.3852, 16.7757, 6.4301

Deuteranopia

16.8449, 16.6266, 3.1320



Tritanopia

29.3987, 16.4379, 4.1060

Trichromacy



Original Color

29.3457, 16.4770, 3.6412

Protanomaly

18.2705, 14.6529, 4.9973

Deuteranomaly

19.8325, 15.0207, 3.0164

Tritanomaly

29.3611, 16.4229, 3.9079

Monochromacy



Original Color

29.3457, 16.4770, 3.6412

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

14.5713, 11.3047, 8.0706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3457, 16.4770, 3.6412 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(215, 45, 40)` looks like.

```
.text, #text, p{  
    color:rgb(215, 45, 40)  
}
```

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(215, 45, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 45, 40) }
```

Border

The CSS property to change the border of an element to XYZ 29.3457, 16.4770, 3.6412 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(215, 45, 40) }
```


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

```
.border{ border-color:rgb(215, 45, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 45, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 45, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 45, 40);  
box-shadow:4px 4px 4px 4px rgb(215, 45,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3457, 16.4770, 3.6412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 45, 40) }
```

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

```
.background{ background-color: rgb(215, 45,  
40) }
```

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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