

Converting Colors

XYZ(29.5048, 16.7125, 7.4187)

Have a look what the booklet for
XYZ(29.5048, 16.7125, 7.4187)
contains.

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Color

**XYZ(29.6444, 16.7850,
7.4717)**

Conversions

Conversions Part 1

Format	Color
Hex	D53146
RGB	213, 49, 70
RGB Percent	84%, 19%, 27%
CMY	0.1647, 0.8078, 0.7255
CMYK	0.00, 0.77, 0.67, 0.16
HSL	352°, 66%, 51%
HSV	352°, 77%, 84%
XYZ	29.6444, 16.7850, 7.4717
YIQ	100.4300, 91.0030, 41.2990

Conversions

Conversions Part 2

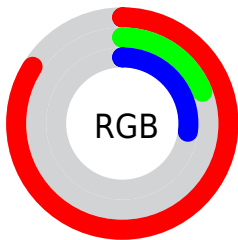
Format	Color
R_{YB}	213, 49, 70
Decimal	13971782
CIE _{Lab}	47.99, 63.27, 28.44
CIE _{LCh}	48, 69.371, 24.206
Yxy	16.7850, 0.5500, 0.3114
Android (android.graphics.Color)	4292161862 (0xFFD53146)
YUV	100.4300, -15.0020, 98.7239
Hunter-Lab	40.9695, 57.4610, 17.8658

Details

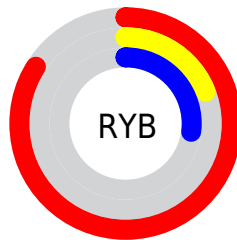
The XYZ color **29.6444, 16.7850, 7.4717** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark muted red. A complement of this color would be **34.5772, 52.0479, 58.1004**, and the grayscale version is **12.2454, 12.8831, 14.0297**.

A 20% lighter version of the original color is **49.9787, 33.5053, 20.9725**, and **12.9603, 6.6584, 1.6390** is the 20% darker color. If you saturate the color by 10%, you get **28.4559, 15.2058, 4.6167**, and if you desaturate by 10%, it is **31.4356, 19.2798, 11.4223**.

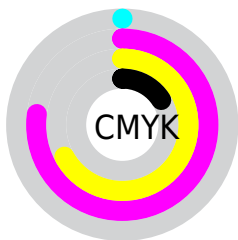
Distribution



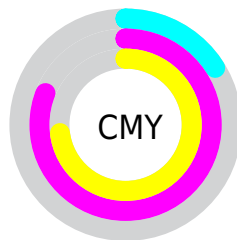
- Red (84%)
- Green (19%)
- Blue (27%)



- Red (84%)
- Yellow (19%)
- Blue (27%)



- Cyan (0%)
- Magenta (77%)
- Yellow (67%)
- Black (16%)





- Cyan (16%)
- Magenta (81%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6444, 16.7850, 7.4717 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 29.6444, 16.7850, 7.4717 by changing the saturation by 10% instead.

 29.6444, 16.7850,
7.4717


 29.6444, 16.7850,
7.4717


292.1831,
233.9303, 181.3046


 19.7156, 10.0813,
3.6759


 58.4899, 37.9557,
21.4449


 12.2955, 5.4529,
1.4493


 78.1372, 53.1916,
32.4593


 7.0189, 2.5154,
0.1797


 101.7547, 72.0403,
46.7171

 3.5204, 0.8843,
0.0000

 129.7078, 94.8862,
64.6367

 1.4345, 0.0000,
0.0000

 162.3619,
122.1138, 86.6367

 0.2806, 0.0000,
0.0000

200.0822,

 0.0000, 0.0000,

154.1074, 113.1357

0.0000

243.2341,
191.2515, 144.5521

■ 29.6444, 16.7850,
7.4717

■ 29.6444, 16.7850,
7.4717

■ 28.4559, 15.2058,
4.6167

■ 31.4356, 19.2798,
11.4223

■ 27.7825, 14.3943,
2.7421

■ 33.8958, 22.7982,
16.5648

■ 27.6413, 14.2264,
2.3418

■ 37.0839, 27.4362,
22.9860

■ 41.0517, 33.2779,
30.7640

■ 45.8466, 40.3996,
39.9709

■ 51.5118, 48.8710,
50.6735

■ 58.0878, 58.7569,
62.9344

■ 65.6124, 70.1179,
76.8127

■ 74.1212, 83.0110,
92.3643

Harmonies

Analogous

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



31.1768, 16.7850, 21.9821



29.6444, 16.7850, 7.4717



24.0808, 16.7850, 2.1498

Triad

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



29.6444, 16.7850, 7.4717



8.0460, 16.7850, 4.6187



14.7689, 16.7850, 78.5066

Complementary

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



29.6444, 16.7850, 7.4717



34.5772, 52.0479, 58.1004

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.



9.8979, 16.7850, 62.9268



29.6444, 16.7850, 7.4717



6.7242, 16.7850, 15.0118

Square

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



29.6444, 16.7850, 7.4717



11.5094, 16.7850, 1.4178



7.3003, 16.7850, 36.3690



21.4158, 16.7850, 71.2013

Rectangle

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



29.6444, 16.7850, 7.4717



19.4596, 16.7850, 1.1259



7.3003, 16.7850, 36.3690



12.8963, 16.7850, 75.5699

Sweetspot

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



29.6448, 16.7860, 7.4720



71.9408, 65.2507, 65.8391



34.6288, 18.0957, 64.6181



14.7652, 13.0215, 12.8908



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.



29.6448, 16.7860, 7.4720



42.0822, 22.0085, 5.0959



33.4788, 25.3354, 6.0329



12.4873, 12.4464, 13.2404



16.9054, 8.6985, 1.5402



1.0414, 0.5333, 0.2074

Inverse Universe

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



29.6448, 16.7860, 7.4720



42.0822, 22.0085, 5.0959



24.6476, 28.1977, 67.0941



12.4873, 12.4464, 13.2404



16.9054, 8.6985, 1.5402



1.0414, 0.5333, 0.2074

Previews

White Background



This preview shows how the XYZ color 29.6444, 16.7850, 7.4717 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 29.6444, 16.7850, 7.4717 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 29.6444, 16.7850, 7.4717

Background



This preview shows how black text looks on a background with the XYZ color 29.6444, 16.7850, 7.4717.



This preview shows how white text looks on a background with the XYZ color 29.6444, 16.7850,

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

29.6444, 16.7850, 7.4717

Protanopia

15.9680, 16.9258, 13.2519

Deuteranopia

17.1262, 16.8496, 6.7645



Tritanopia

29.0452, 16.7194, 5.1863

Trichromacy



Original Color

29.6444, 16.7850, 7.4717

Protanomaly

18.6623, 14.8542, 10.6876

Deuteranomaly

20.2700, 15.4020, 6.7550

Tritanomaly

29.1508, 16.6909, 5.9602

Monochromacy



Original Color

29.6444, 16.7850, 7.4717

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

15.7301, 12.2688, 10.9903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6444, 16.7850, 7.4717 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(213, 49, 70)` looks like.

```
.text, #text, p{  
    color:rgb(213, 49, 70)  
}
```

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(213, 49, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 49, 70) }
```

Border

The CSS property to change the border of an element to XYZ 29.6444, 16.7850, 7.4717 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(213, 49, 70) }
```


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

```
.border{ border-color:rgb(213, 49, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 49, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 49, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 49, 70);  
box-shadow:4px 4px 4px 4px rgb(213, 49,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6444, 16.7850, 7.4717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 49, 70) }
```

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

```
.background{ background-color: rgb(213, 49,  
70) }
```

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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