

Converting Colors

XYZ(29.5719, 16.2750, 5.3626)

Have a look what the booklet for
XYZ(29.5719, 16.2750, 5.3626)
contains.

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Color

**XYZ(29.4969, 16.2502,
5.3233)**

Conversions

Conversions Part 1

Format	Color
Hex	D72838
RGB	215, 40, 56
RGB Percent	84%, 16%, 22%
CMY	0.1569, 0.8431, 0.7804
CMYK	0.00, 0.81, 0.74, 0.16
HSL	355°, 69%, 50%
HSV	355°, 81%, 84%
XYZ	29.4969, 16.2502, 5.3233
YIQ	94.1490, 99.1640, 42.0760

Conversions

Conversions Part 2

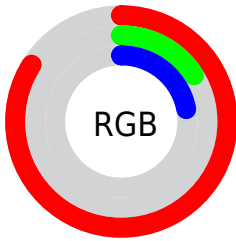
Format	Color
R_{YB}	215, 40, 56
Decimal	14100536
CIE _{Lab}	47.30, 65.67, 36.01
CIE _{LCh}	47, 74.894, 28.737
Yxy	16.2502, 0.5776, 0.3182
Android (android.graphics.Color)	4292290616 (0xFFD72838)
YUV	94.1490, -18.8075, 105.9863
Hunter-Lab	40.3115, 60.0675, 20.3886

Details

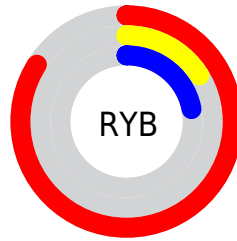
The XYZ color **29.4969, 16.2502, 5.3233** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **35.4866, 53.1762, 62.4361**, and the grayscale version is **10.7031, 11.2604, 12.2626**.

A 20% lighter version of the original color is **48.6385, 32.1399, 16.4721**, and **13.0282, 6.7071, 1.0234** is the 20% darker color. If you saturate the color by 10%, you get **28.5744, 15.0267, 3.1009**, and if you desaturate by 10%, it is **31.0090, 18.3553, 8.6618**.

Distribution



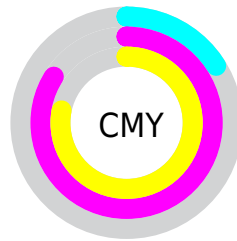
- Red (84%)
- Green (16%)
- Blue (22%)



- Red (84%)
- Yellow (16%)
- Blue (22%)



- Cyan (0%)
- Magenta (81%)
- Yellow (74%)
- Black (16%)





- Cyan (16%)
- Magenta (84%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4969, 16.2502, 5.3233 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 29.4969, 16.2502, 5.3233 by changing the saturation by 10% instead.


 29.4969, 16.2502,
5.3233


 29.4969, 16.2502,
5.3233


291.5044,
230.8136, 161.9606


 19.6032, 9.7014,
2.3761


 58.2577, 37.0320,
16.9620


 12.2135, 5.2014,
0.7734


 77.8556, 52.0338,
26.4907


 6.9625, 2.3659,
0.0000


 101.4189, 70.6220,
39.0502

 3.4848, 0.8083,
0.0000

 129.3130, 93.1811,
55.0592

 1.4150, 0.0000,
0.0000

 161.9032,
120.0954, 74.9362

 0.2669, 0.0000,
0.0000

 199.5550,

 0.0000, 0.0000,

151.7493, 99.0998

0.0000

242.6336,
188.5272, 127.9684

■ 29.4969, 16.2502,
5.3233

■ 29.4969, 16.2502,
5.3233

■ 28.5744, 15.0267,
3.1009

■ 31.0090, 18.3553,
8.6618


■ 28.1472, 14.4962,
1.9596


■ 33.1875, 21.4636,
13.2374


■ 36.0986, 25.6807,
19.1560


■ 39.8002, 31.0982,
26.5120

■ 44.3445, 37.7978,
35.3910

 49.7789, 45.8545,
45.8723

 56.1476, 55.3372,
58.0294

 63.4918, 66.3101,
71.9312

 71.8499, 78.8337,
87.6430

Harmonies

Analogous

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



31.9695, 16.2502, 18.5086



29.4969, 16.2502, 5.3233



23.0307, 16.2502, 1.2503

Triad

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



29.4969, 16.2502, 5.3233



6.9248, 16.2502, 4.7231



15.1667, 16.2502, 84.8070

Complementary

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



29.4969, 16.2502, 5.3233



35.4866, 53.1762, 62.4361

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.



9.7404, 16.2502, 70.6646



29.4969, 16.2502, 5.3233



5.9000, 16.2502, 16.9030

Square

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



29.4969, 16.2502, 5.3233



10.1018, 16.2502, 1.1180



6.7619, 16.2502, 41.6202



22.4029, 16.2502, 72.7046

Rectangle

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



29.4969, 16.2502, 5.3233



18.0649, 16.2502, 0.5664



6.7619, 16.2502, 41.6202



13.0921, 16.2502, 82.8532

Sweetspot

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



29.4973, 16.2512, 5.3235



70.8415, 63.8963, 62.8701



36.1824, 18.3630, 65.9268



14.5437, 12.7581, 12.2628



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.



29.4973, 16.2512, 5.3235



41.5041, 21.4542, 3.0476



33.9844, 25.7542, 5.1889



12.4689, 12.4390, 13.1433



16.8525, 8.6773, 1.2616



1.0327, 0.5299, 0.1616

Inverse Universe

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



29.4973, 16.2512, 5.3235



41.5041, 21.4542, 3.0476



23.2677, 25.6104, 68.0064



12.4689, 12.4390, 13.1433



16.8525, 8.6773, 1.2616



1.0327, 0.5299, 0.1616

Previews

White Background



This preview shows how the XYZ color 29.4969, 16.2502, 5.3233 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 29.4969, 16.2502, 5.3233 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 29.4969, 16.2502, 5.3233

Background



This preview shows how black text looks on a background with the XYZ color 29.4969, 16.2502, 5.3233.



This preview shows how white text looks on a background with the XYZ color 29.4969, 16.2502,

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

29.4969, 16.2502, 5.3233

Protanopia

15.3791, 16.5270, 9.9689

Deuteranopia

16.7159, 16.3676, 4.7609



Tritanopia

29.3061, 16.3420, 3.8002

Trichromacy



Original Color

29.4969, 16.2502, 5.3233

Protanomaly

18.1754, 14.1784, 7.7400

Deuteranomaly

19.7961, 14.7331, 4.7061

Tritanomaly

29.3654, 16.3082, 4.2894

Monochromacy



Original Color

29.4969, 16.2502, 5.3233

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

14.3780, 10.8800, 8.9317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4969, 16.2502, 5.3233 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, 40, 56)` looks like.

```
.text, #text, p{  
    color:rgb(215, 40, 56)  
}
```

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, 40, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 40, 56) }
```

Border

The CSS property to change the border of an element to XYZ 29.4969, 16.2502, 5.3233 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, 40, 56) }
```


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

```
.border{ border-color:rgb(215, 40, 56) }
```

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

Here you see how a box with a 4 pixel rgb(215, 40, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 40, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 40, 56);  
box-shadow:4px 4px 4px 4px rgb(215, 40,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4969, 16.2502, 5.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 40, 56) }
```

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

```
.background{ background-color: rgb(215, 40,  
56) }
```

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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