

Converting Colors

XYZ(26.9445, 16.1211, 3.7399)

Have a look what the booklet for
XYZ(26.9445, 16.1211, 3.7399)
contains.

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Color

**XYZ(26.7979, 16.0167,
3.6866)**

Conversions

Conversions Part 1

Format	Color
Hex	CC3A28
RGB	204, 58, 40
RGB Percent	80%, 23%, 16%
CMY	0.2000, 0.7725, 0.8431
CMYK	0.00, 0.72, 0.80, 0.20
HSL	7°, 67%, 48%
HSV	7°, 80%, 80%
XYZ	26.7979, 16.0167, 3.6866
YIQ	99.6020, 92.7940, 25.3540

Conversions

Conversions Part 2

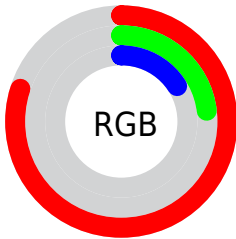
Format	Color
RYB	204, 60, 40
Decimal	13384232
CIELab	47.00, 56.33, 43.91
CIElCh	47, 71.420, 37.941
Yxy	16.0167, 0.5763, 0.3444
Android (android.graphics.Color)	4291574312 (0xFFCC3A28)
YUV	99.6020, -29.3838, 91.5570
Hunter-Lab	40.0209, 49.4867, 22.5530

Details

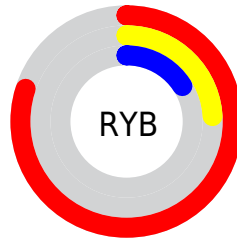
The XYZ color **26.7979, 16.0167, 3.6866** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **29.3308, 39.9241, 63.2865**, and the grayscale version is **12.0687, 12.6972, 13.8272**.

A 20% lighter version of the original color is **48.9776, 33.9827, 12.9947**, and **11.1553, 5.7508, 0.5221** is the 20% darker color. If you saturate the color by 10%, you get **25.7782, 14.3939, 2.0630**, and if you desaturate by 10%, it is **28.3241, 18.3601, 6.3817**.

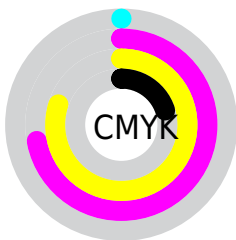
Distribution



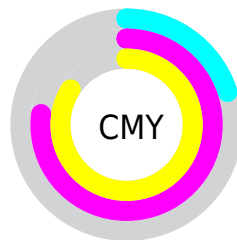
- Red (80%)
- Green (23%)
- Blue (16%)



- Red (80%)
- Yellow (24%)
- Blue (16%)



- Cyan (0%)
- Magenta (72%)
- Yellow (80%)
- Black (20%)





- Cyan (20%)
- Magenta (77%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7979, 16.0167, 3.6866 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 26.7979, 16.0167, 3.6866 by changing the saturation by 10% instead.

 26.7979, 16.0167,
3.6866


 26.7979, 16.0167,
3.6866


278.8627,
229.4402, 144.6755

 17.5573, 9.5360,
1.4550


 53.9816, 36.6272,
13.2803


 10.7304, 5.0924,
0.1841


 72.6554, 51.5257,
21.4794

 5.9518, 2.3016,
0.0000


 95.2042, 69.9990,
32.5049

 2.8562, 0.7745,
0.0000

 121.9936, 92.4314,
46.7752

 1.0782, 0.0000,
0.0000

 153.3887,
119.2074, 64.7089

 0.0067, 0.0000,
0.0000

 189.7551,

 0.0000, 0.0000,

150.7112, 86.7245

0.0000

231.4579,
187.3274, 113.2405

■ 26.7979, 16.0167,
3.6866

■ 26.7979, 16.0167,
3.6866

■ 25.7782, 14.3939,
2.0630

■ 28.3241, 18.3601,
6.3817

■ 25.1963, 13.4266,
1.2636

■ 30.4115, 21.4926,
10.2911

■ 33.1088, 25.4775,
15.5361

■ 36.4591, 30.3711,
22.2234

■ 40.5014, 36.2248,
30.4488

■ 45.2719, 43.0861,
40.2997

■ 50.8039, 50.9995,
51.8571

■ 57.1290, 60.0066,
65.1965

■ 64.2768, 70.1470,
80.3890

Harmonies

Analogous

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



30.4889, 16.0167, 13.1056



26.7979, 16.0167, 3.6866



20.1952, 16.0167, 1.0391

Triad

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



26.7979, 16.0167, 3.6866



6.5838, 16.0167, 7.4472



16.9439, 16.0167, 78.5190

Complementary

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



26.7979, 16.0167, 3.6866



29.3308, 39.9241, 63.2865

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.



11.1429, 16.0167, 72.7014



26.7979, 16.0167, 3.6866



6.1564, 16.0167, 22.6368

Square

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



26.7979, 16.0167, 3.6866



8.9677, 16.0167, 1.9458



7.5791, 16.0167, 48.2957



23.8679, 16.0167, 61.0729

Rectangle

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



26.7979, 16.0167, 3.6866



15.6592, 16.0167, 0.6749



7.5791, 16.0167, 48.2957



14.7958, 16.0167, 79.3607

Sweetspot

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



26.7983, 16.0177, 3.6868



71.7303, 66.6963, 60.0143



34.6944, 17.9685, 48.9905



14.7499, 13.4076, 11.6010



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.



26.7983, 16.0177, 3.6868



41.9600, 22.6107, 2.4457



34.4306, 31.2824, 6.2310



11.3099, 11.4087, 11.6854



15.8931, 8.5192, 0.8067



0.8542, 0.5080, 0.0530

Inverse Universe

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



29.3308, 39.9241, 63.2865



45.9532, 62.8369, 104.3145



16.8870, 15.0366, 59.1386



11.4340, 12.5084, 14.3821



17.3791, 23.7822, 39.6307



0.9273, 1.2884, 2.0548

Previews

White Background



This preview shows how the XYZ color 26.7979, 16.0167, 3.6866 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 26.7979, 16.0167, 3.6866 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 26.7979, 16.0167, 3.6866

Background



This preview shows how black text looks on a background with the XYZ color 26.7979, 16.0167, 3.6866.



This preview shows how white text looks on a background with the XYZ color 26.7979, 16.0167,

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

26.7979, 16.0167, 3.6866

Protanopia

14.7959, 16.1493, 5.9517

Deuteranopia

16.3364, 16.0499, 3.2738



Tritanopia

27.3547, 16.1130, 5.6713

Trichromacy



Original Color

26.7979, 16.0167, 3.6866

Protanomaly

17.5397, 14.6569, 4.9222

Deuteranomaly

19.1429, 15.1416, 3.2802

Tritanomaly

27.2375, 16.1444, 4.8126

Monochromacy



Original Color

26.7979, 16.0167, 3.6866

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

15.1049, 12.4503, 8.8148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.7979, 16.0167, 3.6866 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(204, 58, 40)` looks like.

```
.text, #text, p{  
    color:rgb(204, 58, 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(204, 58, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 58, 40) }
```

Border

The CSS property to change the border of an element to XYZ 26.7979, 16.0167, 3.6866 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(204, 58, 40) }
```


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

```
.border{ border-color:rgb(204, 58, 40) }
```

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

Here you see how a box with a 4 pixel rgb(204, 58, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 58, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 58, 40);  
box-shadow:4px 4px 4px 4px rgb(204, 58,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 26.7979, 16.0167, 3.6866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 58, 40) }
```

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

```
.background{ background-color: rgb(204, 58,  
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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