

Converting Colors

XYZ(28.1584, 16.8489, 3.3334)

Have a look what the booklet for
XYZ(28.1584, 16.8489, 3.3334)
contains.

| | |
|--|----|
| XYZ(28.2137, 16.9084, 3.3667) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(28.2137, 16.9084,
3.3667)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | D13C23 |
| RGB | 209, 60, 35 |
| RGB Percent | 82%, 24%, 14% |
| CMY | 0.1804, 0.7647, 0.8627 |
| CMYK | 0.00, 0.71, 0.83, 0.18 |
| HSL | 9°, 71%, 48% |
| HSV | 9°, 83%, 82% |
| XYZ | 28.2137, 16.9084, 3.3667 |
| YIQ | 101.7010, 96.8290, 23.8130 |

Conversions

Conversions Part 2

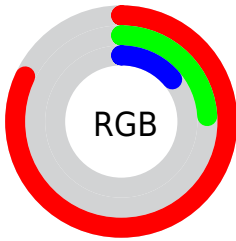
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 209, 64, 35 |
| Decimal | 13712419 |
| CIELab | 48.14, 57.05, 47.82 |
| CIELCh | 48, 74.443, 39.969 |
| Yxy | 16.9084, 0.5819, 0.3487 |
| Android (android.graphics.Color) | 4291902499 (0xFFD13C23) |
| YUV | 101.7010, -32.8836, 94.1012 |
| Hunter-Lab | 41.1198, 50.5152, 23.9295 |

Details

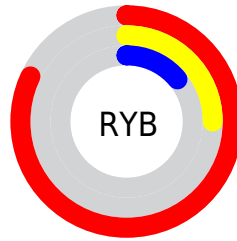
The XYZ color **28.2137, 16.9084, 3.3667** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **29.3398, 39.2370, 66.3482**, and the grayscale version is **12.6177, 13.2748, 14.4563**.

A 20% lighter version of the original color is **49.1626, 34.6071, 12.2723**, and **11.8541, 6.1110, 0.5548** is the 20% darker color. If you saturate the color by 10%, you get **27.2063, 15.2513, 1.9289**, and if you desaturate by 10%, it is **29.7234, 19.2753, 5.8825**.

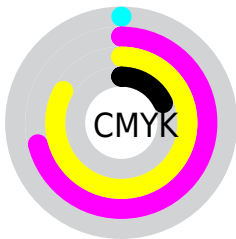
Distribution



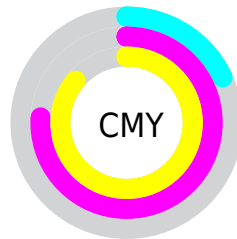
- Red (82%)
- Green (24%)
- Blue (14%)



- Red (82%)
- Yellow (25%)
- Blue (14%)



- Cyan (0%)
- Magenta (71%)
- Yellow (83%)
- Black (18%)





- Cyan (18%)
- Magenta (76%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2137, 16.9084, 3.3667 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 28.2137, 16.9084, 3.3667 by changing the saturation by 10% instead.


 28.2137, 16.9084,
3.3667


 28.2137, 16.9084,
3.3667


285.5482,
234.6440, 140.9022


 18.6281, 10.1692,
1.2848


 56.2317, 38.1682,
12.5206


 11.5043, 5.5113,
0.0493


 75.3948, 53.4576,
20.4297

 6.4769, 2.5503,
0.0000


 98.4811, 72.3659,
31.1183

 3.1805, 0.9017,
0.0000

 125.8560, 95.2774,
45.0049

 1.2499, 0.0000,
0.0000

 157.8848,
122.5766, 62.5080


 0.1453, 0.0000,
0.0000


 194.9329,


 0.0000, 0.0000,


154.6478, 84.0463


0.0000


 237.3656,
191.8755, 110.0382


 28.2137, 16.9084,
3.3667

 28.2137, 16.9084,
3.3667


 27.2063, 15.2513,
1.9289


 29.7234, 19.2753,
5.8825

 26.7596, 14.4858,
1.3857

 31.7916, 22.4180,
9.6358

 34.4681, 26.3981,
14.7599

 37.7964, 31.2702,
21.3708

 41.8162, 37.0842,
29.5722

■ 46.5640, 43.8862,
39.4582

■ 52.0735, 51.7195,
51.1159

■ 58.3764, 60.6246,
64.6263

■ 65.5027, 70.6398,
80.0651

Harmonies

Analogous

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



32.5462, 16.9084, 12.6953



28.2137, 16.9084, 3.3667



20.9400, 16.9084, 0.9136

Triad

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



28.2137, 16.9084, 3.3667



6.7000, 16.9084, 8.3865



18.4245, 16.9084, 84.6652

Complementary

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



28.2137, 16.9084, 3.3667



29.3398, 39.2370, 66.3482

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.



12.0220, 16.9084, 80.0834



28.2137, 16.9084, 3.3667



6.3765, 16.9084, 25.6254

Square

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



28.2137, 16.9084, 3.3667



9.0913, 16.9084, 2.0890



8.0340, 16.9084, 54.1065



25.9351, 16.9084, 64.1285

Rectangle

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



28.2137, 16.9084, 3.3667



16.0779, 16.9084, 0.5988



8.0340, 16.9084, 54.1065



16.0639, 16.9084, 86.2269

Sweetspot

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



28.2141, 16.9094, 3.3670



71.4217, 66.5329, 58.5124



35.7369, 18.2939, 47.9901



14.7103, 13.4151, 11.3204



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.



28.2141, 16.9094, 3.3670



41.8908, 22.5617, 2.1469



36.7536, 33.9884, 6.2135



11.9439, 12.0785, 12.3139



16.5430, 9.0190, 0.8689



0.9701, 0.5946, 0.0636

Inverse Universe

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



29.3398, 39.2370, 66.3482



43.2114, 57.5427, 103.4371



16.6446, 13.8466, 62.1164



12.0075, 13.1053, 15.1404



17.0856, 22.8178, 40.6963



0.9959, 1.3570, 2.2890

Previews

White Background



This preview shows how the XYZ color 28.2137, 16.9084, 3.3667 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 28.2137, 16.9084, 3.3667 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 28.2137, 16.9084, 3.3667

Background



This preview shows how black text looks on a background with the XYZ color 28.2137, 16.9084, 3.3667.



This preview shows how white text looks on a background with the XYZ color 28.2137, 16.9084,

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

28.2137, 16.9084, 3.3667

Protanopia

15.5872, 17.0724, 5.3795

Deuteranopia

17.2469, 16.9975, 2.9021



Tritanopia

28.8309, 16.9437, 5.8886

Trichromacy



Original Color

28.2137, 16.9084, 3.3667

Protanomaly

18.4515, 15.5344, 4.4088

Deuteranomaly

20.0544, 15.8729, 2.8710

Tritanomaly

28.6671, 16.9580, 4.7799

Monochromacy



Original Color

28.2137, 16.9084, 3.3667

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

15.7678, 13.0292, 8.8916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2137, 16.9084, 3.3667 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(209, 60, 35)` looks like.

```
.text, #text, p{  
    color:rgb(209, 60, 35)  
}
```

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(209, 60, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 60, 35) }
```

Border

The CSS property to change the border of an element to XYZ 28.2137, 16.9084, 3.3667 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(209, 60, 35) }
```


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

```
.border{ border-color:rgb(209, 60, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 60, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 60, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 60, 35);  
box-shadow:4px 4px 4px 4px rgb(209, 60,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2137, 16.9084, 3.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 60, 35) }
```

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

```
.background{ background-color: rgb(209, 60,  
35) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor