

Converting Colors

XYZ(30.3921, 17.2832, 1.7342)

Have a look what the booklet for
XYZ(30.3921, 17.2832, 1.7342)
contains.

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Color

**XYZ(30.3117, 17.2567,
1.7333)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | DB3100 |
| RGB | 219, 49, 0 |
| RGB Percent | 86%, 19%, 0% |
| CMY | 0.1412, 0.8078, 1.0000 |
| CMYK | 0.00, 0.78, 1.00, 0.14 |
| HSL | 13°, 100%, 43% |
| HSV | 13°, 100%, 86% |
| XYZ | 30.3117, 17.2567, 1.7333 |
| YIQ | 94.2440, 117.0490, 20.8010 |

Conversions

Conversions Part 2

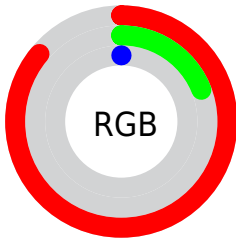
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 219, 63, 0 |
| Decimal | 14364928 |
| CIELab | 48.58, 63.24, 61.04 |
| CIElCh | 49, 87.889, 43.985 |
| Yxy | 17.2567, 0.6148, 0.3500 |
| Android (android.graphics.Color) | 4292555008 (0xFFDB3100) |
| YUV | 94.2440, -46.4623, 109.4110 |
| Hunter-Lab | 41.5412, 57.5505, 26.6050 |

Details

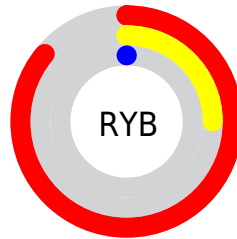
The XYZ color **30.3117, 17.2567, 1.7333** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **27.1585, 33.8592, 72.1212**, and the grayscale version is **10.7860, 11.3477, 12.3576**.

A 20% lighter version of the original color is **47.4724, 32.5028, 7.7746**, and **13.3264, 6.8700, 0.6237** is the 20% darker color. If you saturate the color by 10%, you get **30.3119, 17.2576, 1.7334**, and if you desaturate by 10%, it is **31.3060, 19.0154, 2.7745**.

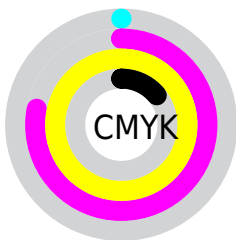
Distribution



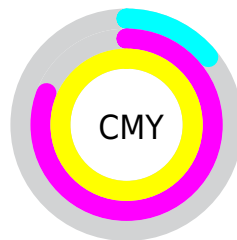
- Red (86%)
- Green (19%)
- Blue (0%)



- Red (86%)
- Yellow (25%)
- Blue (0%)



- Cyan (0%)
- Magenta (78%)
- Yellow (100%)
- Black (14%)





- Cyan (14%)
- Magenta (81%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3117, 17.2567, 1.7333 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 30.3117, 17.2567, 1.7333 by changing the saturation by 10% instead.


 30.3117, 17.2567,
1.7333


 30.3117, 17.2567,
1.7333


 295.2385,
236.6474, 118.0875


 20.2245, 10.4177,
0.3834


 59.5380, 38.7666,
8.2979


 12.6676, 5.6768,
0.0000


 79.4079, 54.2063,
14.4586

 7.2755, 2.6495,
0.0000


 103.2694, 73.2816,
23.0962

 3.6828, 0.9516,
0.0000

 131.4878, 96.3771,
34.6293

 1.5243, 0.0000,
0.0000

 164.4286,
123.8769, 49.4765

 0.3423, 0.0000,
0.0000


 202.4571,


 0.0000, 0.0000,


156.1657, 68.0562


0.0000


 245.9386,
193.6277, 90.7870


 30.3117, 17.2567,
1.7333


 30.3117, 17.2567,
1.7333


 30.3119, 17.2576,
1.7334

 31.3060, 19.0154,
2.7745

 32.7582, 21.4286,
4.7731

 34.7459, 24.5661,
8.0189

 37.3205, 28.4827,
12.6772

 40.5268, 33.2273,
18.8878

■ 44.4049, 38.8449,
26.7735

■ 48.9915, 45.3771,
36.4446

■ 54.3207, 52.8626,
48.0022

■ 60.4241, 61.3382,
61.5395

Harmonies

Analogous

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



36.5672, 17.2567, 9.9576



30.3117, 17.2567, 1.7333



21.0721, 17.2567, 0.0000

Triad

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



30.3117, 17.2567, 1.7333



5.5426, 17.2567, 8.9938



20.4503, 17.2567, 103.4734

Complementary

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



30.3117, 17.2567, 1.7333



27.1585, 33.8592, 72.1212

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.



12.4785, 17.2567, 102.2069



30.3117, 17.2567, 1.7333



5.4738, 17.2567, 31.7240

Square

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



30.3117, 17.2567, 1.7333



7.8057, 17.2567, 1.5156



7.5709, 17.2567, 69.7212



29.7296, 17.2567, 72.4258

Rectangle

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



30.3117, 17.2567, 1.7333



15.3457, 17.2567, 0.0000



7.5709, 17.2567, 69.7212



17.5056, 17.2567, 107.2969

Sweetspot

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



30.3121, 17.2578, 1.7335



68.9807, 63.8035, 51.0628



36.6164, 18.0213, 40.3520



14.1510, 12.7859, 9.6251



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.



30.3121, 17.2578, 1.7335



42.7066, 24.1931, 2.4189



41.2617, 39.1570, 5.3834



13.2912, 13.5218, 13.6350



18.0414, 10.3683, 1.0504



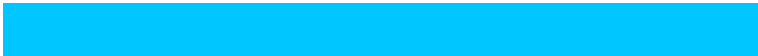
1.2337, 0.8015, 0.0897

Inverse Universe

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



27.1585, 33.8592, 72.1212



38.2283, 47.5765, 101.7761



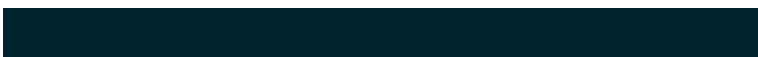
14.5115, 8.5653, 67.9056



13.1848, 14.3094, 16.7192



16.1889, 20.2472, 42.7933



1.1108, 1.4358, 2.7930

Previews

White Background



This preview shows how the XYZ color 30.3117, 17.2567, 1.7333 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



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 30.3117, 17.2567, 1.7333

Background



This preview shows how black text looks on a background with the XYZ color 30.3117, 17.2567, 1.7333.



This preview shows how white text looks on a background with the XYZ color 30.3117, 17.2567,

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

30.3117, 17.2567, 1.7333

Protanopia

15.9078, 17.6225, 3.5403

Deuteranopia

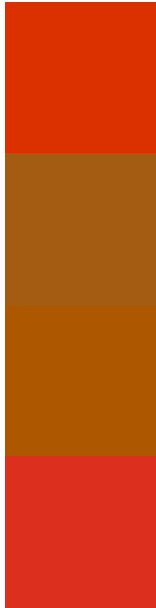
17.6086, 17.3549, 2.4218



Tritanopia

30.9853, 17.3669, 4.3038

Trichromacy



Original Color

30.3117, 17.2567, 1.7333

Protanomaly

19.0326, 15.4813, 2.5154

Deuteranomaly

20.7233, 15.8637, 1.9698

Tritanomaly

30.7535, 17.3374, 2.8880

Monochromacy



Original Color

30.3117, 17.2567, 1.7333

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

14.1875, 11.2640, 5.7014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3117, 17.2567, 1.7333 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(219, 49, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 49, 0)  
}
```

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(219, 49, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 49, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.3117, 17.2567, 1.7333 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(219, 49, 0) }
```


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

```
.border{ border-color:rgb(219, 49, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 49, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 49, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 49, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 49, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.3117, 17.2567, 1.7333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 49, 0) }
```

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

```
.background{ background-color: rgb(219, 49,  
0) }
```

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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