

Converting Colors

XYZ(28.7616, 17.1697, 1.7982)

Have a look what the booklet for
XYZ(28.7616, 17.1697, 1.7982)
contains.

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Color

**XYZ(28.7153, 17.1250,
1.7920)**

Conversions

Conversions Part 1

Format	Color
Hex	D43B00
RGB	212, 59, 0
RGB Percent	83%, 23%, 0%
CMY	0.1686, 0.7686, 1.0000
CMYK	0.00, 0.72, 1.00, 0.17
HSL	17°, 100%, 42%
HSV	17°, 100%, 83%
XYZ	28.7153, 17.1250, 1.7920
YIQ	98.0210, 110.1270, 14.0870

Conversions

Conversions Part 2

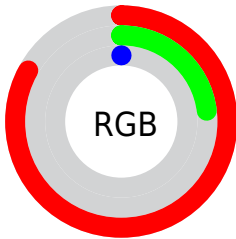
Format	Color
RYB	212, 82, 0
Decimal	13908736
CIELab	48.42, 57.84, 60.19
CIElCh	48, 83.478, 46.140
Yxy	17.1250, 0.6029, 0.3595
Android (android.graphics.Color)	4292098816 (0xFFD43B00)
YUV	98.0210, -48.3244, 99.9596
Hunter-Lab	41.3824, 51.4424, 26.4002

Details

The XYZ color **28.7153, 17.1250, 1.7920** 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 **23.2732, 27.5327, 66.3744**, and the grayscale version is **11.7133, 12.3233, 13.4200**.

A 20% lighter version of the original color is **48.2491, 34.0563, 8.0335**, and **12.2127, 6.2959, 0.5715** is the 20% darker color. If you saturate the color by 10%, you get **28.7155, 17.1258, 1.7921**, and if you desaturate by 10%, it is **29.7579, 18.9909, 2.8166**.

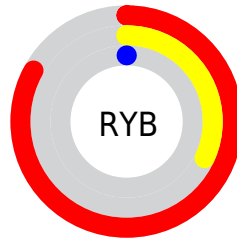
Distribution



Red (83%)

Green (23%)

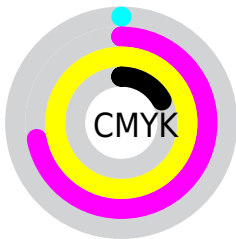
Blue (0%)



Red (83%)

Yellow (32%)

Blue (0%)

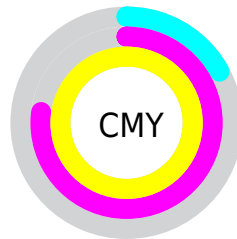


Cyan (0%)

Magenta (72%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (77%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7153, 17.1250, 1.7920 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 28.7153, 17.1250, 1.7920 by changing the saturation by 10% instead.


 28.7153, 17.1250,
1.7920


 28.7153, 17.1250,
1.7920


 287.8878,
235.8917, 119.0585


 19.0088, 10.3237,
0.4227


 57.0251, 38.5406,
8.4639


 11.7806, 5.6141,
0.0000


 76.3592, 53.9236,
14.6987

 6.6656, 2.6119,
0.0000


 99.6330, 72.9359,
23.4240

 3.2983, 0.9326,
0.0000

 127.2121, 95.9620,
35.0585

 1.3134, 0.0000,
0.0000

 159.4618,
123.3863, 50.0207

 0.1932, 0.0000,
0.0000


 196.7474,


 0.0000, 0.0000,


155.5930, 68.7290


0.0000


 239.4343,
192.9667, 91.6021


 28.7153, 17.1250,
1.7920


 28.7153, 17.1250,
1.7920


 28.7155, 17.1258,
1.7921

 29.7579, 18.9909,
2.8166

 31.1996, 21.4136,
4.7173

 33.1075, 24.4471,
7.7652

 35.5244, 28.1325,
12.1110

 38.4875, 32.5071,
17.8823

■ 42.0303, 37.6051,
25.1911

■ 46.1834, 43.4581,
34.1383

■ 50.9751, 50.0961,
44.8159

■ 56.4319, 57.5471,
57.3094

Harmonies

Analogous

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



34.8437, 17.1250, 9.2303



28.7153, 17.1250, 1.7920



20.0529, 17.1250, 0.1699

Triad

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



28.7153, 17.1250, 1.7920



5.7791, 17.1250, 10.2791



20.7085, 17.1250, 95.2111

Complementary

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



28.7153, 17.1250, 1.7920



23.2732, 27.5327, 66.3744

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.



13.0072, 17.1250, 96.5010



28.7153, 17.1250, 1.7920



5.8553, 17.1250, 32.9463

Square

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



28.7153, 17.1250, 1.7920



7.8203, 17.1250, 2.0519



8.0764, 17.1250, 68.3595



29.3227, 17.1250, 65.5849

Rectangle

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



28.7153, 17.1250, 1.7920



14.7565, 17.1250, 0.0335



8.0764, 17.1250, 68.3595



17.8981, 17.1250, 99.4719

Sweetspot

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



28.7157, 17.1260, 1.7923



69.9327, 65.7075, 51.3801



33.1068, 16.3792, 32.6328



14.3711, 13.2261, 9.6985



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.



28.7157, 17.1260, 1.7923



43.4919, 25.7638, 2.6806



40.1656, 40.0258, 5.6089



12.7018, 12.9779, 12.9962



17.8008, 10.7189, 1.1307



1.1433, 0.7857, 0.0914

Inverse Universe

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



23.2732, 27.5327, 66.3744



35.1949, 41.5097, 100.7650



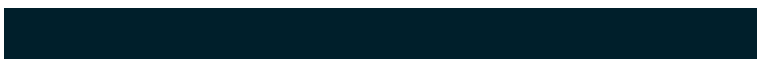
13.0016, 6.9895, 62.9505



12.4864, 13.4962, 15.8844



14.4559, 17.1736, 41.0061



0.9399, 1.1718, 2.4960

Previews

White Background



This preview shows how the XYZ color 28.7153, 17.1250, 1.7920 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 28.7153, 17.1250, 1.7920 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 28.7153, 17.1250, 1.7920

Background



This preview shows how black text looks on a background with the XYZ color 28.7153, 17.1250, 1.7920.



This preview shows how white text looks on a background with the XYZ color 28.7153, 17.1250,

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

28.7153, 17.1250, 1.7920

Protanopia

15.6162, 17.3026, 3.3808

Deuteranopia

17.4300, 17.2629, 2.4134



Tritanopia

29.5453, 17.1739, 5.6286

Trichromacy



Original Color

28.7153, 17.1250, 1.7920

Protanomaly

18.6756, 15.6925, 2.4966

Deuteranomaly

20.3186, 16.0282, 2.0228

Tritanomaly

29.1732, 17.1019, 3.4325

Monochromacy



Original Color

28.7153, 17.1250, 1.7920

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

14.6873, 12.1774, 6.1338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7153, 17.1250, 1.7920 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(212, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 59, 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(212, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 59, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.7153, 17.1250, 1.7920 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(212, 59, 0) }
```


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

```
.border{ border-color:rgb(212, 59, 0) }
```

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

Here you see how a box with a 4 pixel rgb(212, 59, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 59, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.7153, 17.1250, 1.7920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 59, 0) }
```

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

```
.background{ background-color: rgb(212, 59,  
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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