

Converting Colors

XYZ(33.7154, 28.3551, 3.6961)

Have a look what the booklet for
XYZ(33.7154, 28.3551, 3.6961)
contains.

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Color

**XYZ(33.6281, 28.2225,
3.6751)**

Conversions

Conversions Part 1

Format	Color
Hex	D17D00
RGB	209, 125, 0
RGB Percent	82%, 49%, 0%
CMY	0.1804, 0.5098, 1.0000
CMYK	0.00, 0.40, 1.00, 0.18
HSL	36°, 100%, 41%
HSV	36°, 100%, 82%
XYZ	33.6281, 28.2225, 3.6751
YIQ	135.8660, 90.1890, -21.0670

Conversions

Conversions Part 2

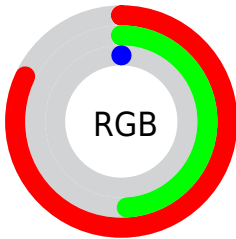
Format	Color
R _Y B	140, 209, 0
Decimal	13729024
CIE Lab	60.09, 25.67, 66.55
CIE LCh	60, 71.331, 68.911
Yxy	28.2225, 0.5132, 0.4307
Android (android.graphics.Color)	4291919104 (0xFFD17D00)
YUV	135.8660, -66.9819, 64.1385
Hunter-Lab	53.1249, 20.0222, 33.0858

Details

The XYZ color **33.6281, 28.2225, 3.6751** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **14.6792, 10.9445, 61.6599**, and the grayscale version is **23.5719, 24.7995, 27.0066**.

A 20% lighter version of the original color is **58.2346, 53.5305, 12.8933**, and **14.7288, 11.3281, 1.4102** is the 20% darker color. If you saturate the color by 10%, you get **33.6282, 28.2230, 3.6752**, and if you desaturate by 10%, it is **34.8720, 30.4954, 4.7533**.

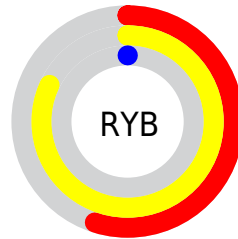
Distribution



Red (82%)

Green (49%)

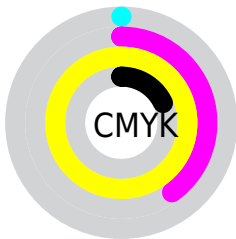
Blue (0%)



Red (55%)

Yellow (82%)

Blue (0%)

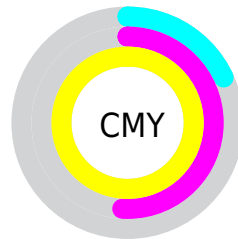


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6281, 28.2225, 3.6751 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 33.6281, 28.2225, 3.6751 by changing the saturation by 10% instead.


 33.6281, 28.2225,
3.6751


 33.6281, 28.2225,
3.6751


310.0857,
293.5286, 144.5426


 22.7696, 18.4935,
1.4489


 64.7031, 56.8395,
13.2532

 14.5432, 11.3048,
0.1794

 85.6502, 76.4962,
21.4422


 8.5837, 6.2723,
0.0000


 110.6909,
100.2309, 32.4558

 4.5256, 3.0113,
0.0000

 140.1906,
128.4281, 46.7126

 2.0035, 1.1377,
0.0000

 174.5145,
161.4720, 64.6312


 0.6359, 0.0099,
0.0000


 214.0282,


 0.0000, 0.0000,


199.7471, 86.6300


0.0000


 259.0968,
243.6379, 113.1276


 33.6281, 28.2225,
3.6751


 33.6281, 28.2225,
3.6751


 33.6282, 28.2230,
3.6752

 34.8720, 30.4954,
4.7533

 36.3529, 33.0092,
6.6280

 38.1225, 35.7891,
9.5588

 40.2095, 38.8497,
13.6869

 42.6384, 42.2041,
19.1315

■ 45.4309, 45.8639,
25.9973

■ 48.6064, 49.8397,
34.3783

■ 52.1830, 54.1417,
44.3604

■ 56.1774, 58.7793,
56.0229

Harmonies

Analogous

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



42.8786, 28.2225, 8.7736



33.6281, 28.2225, 3.6751



24.2039, 28.2225, 3.0467

Triad

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



33.6281, 28.2225, 3.6751



12.9826, 28.2225, 39.1661



39.3883, 28.2225, 88.5632

Complementary

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



33.6281, 28.2225, 3.6751



14.6792, 10.9445, 61.6599

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.



29.6281, 28.2225, 111.6144



33.6281, 28.2225, 3.6751



15.3804, 28.2225, 74.1908

Square

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



33.6281, 28.2225, 3.6751



13.5841, 28.2225, 15.9918



21.0069, 28.2225, 105.2364



46.6928, 28.2225, 52.5246

Rectangle

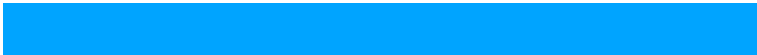
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.6281, 28.2225, 3.6751



19.2216, 28.2225, 4.4221



21.0069, 28.2225, 105.2364



36.2070, 28.2225, 98.8067

Sweetspot

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



33.6287, 28.2240, 3.6756



76.0503, 77.9428, 53.4193



28.0183, 14.2450, 10.3086



15.8091, 16.1022, 10.1779



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.



33.6287, 28.2240, 3.6756



52.5521, 43.8842, 5.7007



44.4332, 56.7528, 8.6128



12.3883, 12.9672, 12.4620



20.8331, 17.5993, 2.2990



1.2415, 1.1373, 0.1541

Inverse Universe

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



14.6792, 10.9445, 61.6599



22.8491, 16.8183, 96.6497



11.7475, 4.7267, 60.6143



11.5481, 12.1864, 14.9872



9.1413, 6.9292, 38.0482



0.5880, 0.5412, 2.1530

Previews

White Background



This preview shows how the XYZ color 33.6281, 28.2225, 3.6751 looks on a white 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

Black Background



This preview shows how the XYZ color 33.6281, 28.2225, 3.6751 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6281, 28.2225, 3.6751

Background



This preview shows how black text looks on a background with the XYZ color 33.6281, 28.2225, 3.6751.



This preview shows how white text looks on a background with the XYZ color 33.6281, 28.2225,

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

33.6281, 28.2225, 3.6751

Protanopia

25.6823, 28.4877, 4.6353

Deuteranopia

28.8556, 28.3673, 3.9546



Tritanopia

37.6786, 28.2676, 22.8723

Trichromacy



Original Color

33.6281, 28.2225, 3.6751

Protanomaly

27.9657, 27.9022, 4.1989

Deuteranomaly

30.3798, 28.1125, 3.8251

Tritanomaly

35.1962, 27.7699, 11.0945

Monochromacy



Original Color

33.6281, 28.2225, 3.6751

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.0758, 24.9772, 12.5163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6281, 28.2225, 3.6751 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, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 125, 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(209, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 125, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.6281, 28.2225, 3.6751 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, 125, 0) }
```


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

```
.border{ border-color:rgb(209, 125, 0) }
```

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

Here you see how a box with a 4 pixel rgb(209, 125, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 125,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6281, 28.2225, 3.6751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 125, 0) }
```

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

```
.background{ background-color: rgb(209,  
125, 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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