

Converting Colors

XYZ(33.5981, 32.2712, 4.4582)

Have a look what the booklet for
XYZ(33.5981, 32.2712, 4.4582)
contains.

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Color

**XYZ(33.6786, 32.3929,
4.4774)**

Conversions

Conversions Part 1

Format	Color
Hex	C79100
RGB	199, 145, 0
RGB Percent	78%, 57%, 0%
CMY	0.2196, 0.4314, 1.0000
CMYK	0.00, 0.27, 1.00, 0.22
HSL	44°, 100%, 39%
HSV	44°, 100%, 78%
XYZ	33.6786, 32.3929, 4.4774
YIQ	144.6160, 78.7290, -33.6470

Conversions

Conversions Part 2

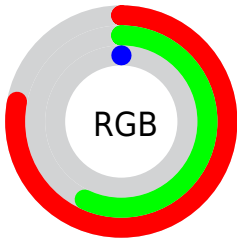
Format	Color
R _Y B	74, 199, 0
Decimal	13078784
CIE Lab	63.67, 10.42, 68.32
CIE LCh	64, 69.114, 81.325
Yxy	32.3929, 0.4774, 0.4592
Android (android.graphics.Color)	4291268864 (0xFFC79100)
YUV	144.6160, -71.2957, 47.6948
Hunter-Lab	56.9148, 6.0243, 35.1761

Details

The XYZ color **33.6786, 32.3929, 4.4774** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **11.6283, 6.7624, 54.7248**, and the grayscale version is **27.0167, 28.4237, 30.9534**.

A 20% lighter version of the original color is **62.8660, 62.5879, 15.0706**, and **14.9074, 13.7599, 1.8702** is the 20% darker color. If you saturate the color by 10%, you get **33.6788, 32.3935, 4.4775**, and if you desaturate by 10%, it is **34.6496, 34.1345, 5.4201**.

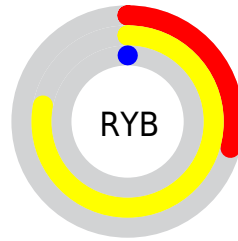
Distribution



Red (78%)

Green (57%)

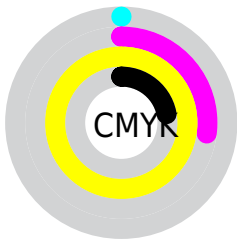
Blue (0%)



Red (29%)

Yellow (78%)

Blue (0%)

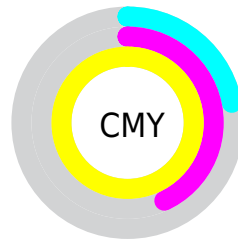


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (43%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6786, 32.3929, 4.4774 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 33.6786, 32.3929, 4.4774 by changing the saturation by 10% instead.


 33.6786, 32.3929,
4.4774


 33.6786, 32.3929,
4.4774


310.3078,
312.9052, 153.3924

 22.8085, 21.6618,
1.8907


 64.7812, 63.4265,
15.0966


 14.5721, 13.6086,
0.4868


 85.7444, 84.4978,
23.9663

 8.6040, 7.8489,
0.0000


 110.8026,
109.7846, 35.7673

 4.5388, 3.9984,
0.0000

 140.3214,
139.6713, 50.9183

 2.0112, 1.6727,
0.0000

 174.6659,
174.5424, 69.8377

 0.6403, 0.4059,
0.0000

 214.2015,

 0.0000, 0.0000,

214.7821, 92.9442

0.0000

259.2937,
260.7749, 120.6563

33.6786, 32.3929,
4.4774

33.6786, 32.3929,
4.4774

33.6788, 32.3935,
4.4775

34.6496, 34.1345,
5.4201

35.7886, 36.0055,
7.0542

37.1417, 38.0265,
9.6174

38.7330, 40.2082,
13.2339

40.5830, 42.5593,
18.0088

■ 42.7096, 45.0879,
24.0344

■ 45.1290, 47.8012,
31.3935

■ 47.8560, 50.7059,
40.1620

■ 50.9045, 53.8082,
50.4099

Harmonies

Analogous

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



43.9282, 32.3929, 7.8948



33.6786, 32.3929, 4.4774



24.5108, 32.3929, 5.2889

Triad

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



33.6786, 32.3929, 4.4774



16.5148, 32.3929, 58.3906



47.7020, 32.3929, 80.0998

Complementary

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



33.6786, 32.3929, 4.4774



11.6283, 6.7624, 54.7248

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.



38.0558, 32.3929, 111.7463



33.6786, 32.3929, 4.4774



20.5711, 32.3929, 95.3024

Square

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



33.6786, 32.3929, 4.4774



15.8248, 32.3929, 27.8336



28.0686, 32.3929, 118.4243



53.0653, 32.3929, 43.9261

Rectangle

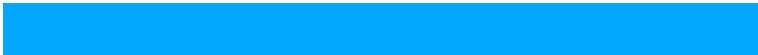
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.6786, 32.3929, 4.4774



20.0720, 32.3929, 8.4926



28.0686, 32.3929, 118.4243



44.7680, 32.3929, 92.2658

Sweetspot

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



33.6793, 32.3945, 4.4780



78.8180, 83.4782, 54.3419



24.2766, 12.4317, 4.9118



16.4708, 17.4255, 10.3984



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.



33.6793, 32.3945, 4.4780



58.7584, 56.2968, 7.7695



34.1115, 47.9031, 7.4487



11.2711, 11.9114, 11.2678



21.7322, 20.9815, 2.9044



1.0868, 1.1091, 0.1568

Inverse Universe

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



11.6283, 6.7624, 54.7248



20.1900, 11.5000, 95.7633



11.3104, 4.6401, 54.3319



10.2870, 10.7480, 13.4499



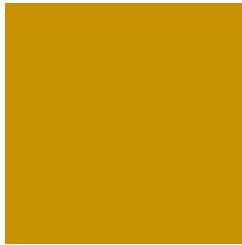
7.5401, 4.4741, 35.2105



0.4190, 0.3358, 1.6879

Previews

White Background



This preview shows how the XYZ color 33.6786, 32.3929, 4.4774 looks on a white background.

Color Contrast Check

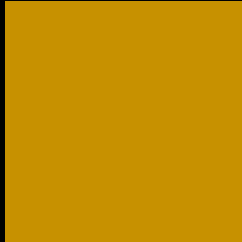
Large Text (above 18pt) WCAG AA × Fail

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 33.6786, 32.3929, 4.4774 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 ✓ Pass

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

XYZ 33.6786, 32.3929, 4.4774

Background



This preview shows how black text looks on a background with the XYZ color 33.6786, 32.3929, 4.4774.



This preview shows how white text looks on a background with the XYZ color 33.6786, 32.3929,

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

33.6786, 32.3929, 4.4774

Protanopia

29.2433, 32.4679, 5.0735

Deuteranopia

33.1987, 32.6032, 4.5433



Tritanopia

39.2284, 32.4941, 30.9925

Trichromacy



Original Color

33.6786, 32.3929, 4.4774

Protanomaly

30.6389, 32.2180, 4.8336

Deuteranomaly

33.3048, 32.4281, 4.5039

Tritanomaly

35.7930, 31.9345, 14.4027

Monochromacy



Original Color

33.6786, 32.3929, 4.4774

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.5742, 29.0228, 14.2739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6786, 32.3929, 4.4774 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(199, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 145, 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(199, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 145, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.6786, 32.3929, 4.4774 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(199, 145, 0) }
```


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

```
.border{ border-color:rgb(199, 145, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 145, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 145,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6786, 32.3929, 4.4774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 145, 0) }
```

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

```
.background{ background-color: rgb(199,  
145, 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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