

Converting Colors

XYZ(33.7409, 23.9809, 2.8504)

Have a look what the booklet for
XYZ(33.7409, 23.9809, 2.8504)
contains.

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Color

**XYZ(33.6753, 23.9837,
2.8544)**

Conversions

Conversions Part 1

Format	Color
Hex	DB6300
RGB	219, 99, 0
RGB Percent	86%, 39%, 0%
CMY	0.1412, 0.6117, 1.0000
CMYK	0.00, 0.55, 1.00, 0.14
HSL	27°, 100%, 43%
HSV	27°, 100%, 86%
XYZ	33.6753, 23.9837, 2.8544
YIQ	123.5940, 103.2990, -5.3490

Conversions

Conversions Part 2

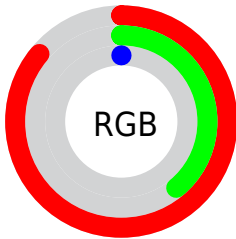
Format	Color
RYB	219, 181, 0
Decimal	14377728
CIELab	56.07, 43.15, 64.85
CIELCh	56, 77.892, 56.360
Yxy	23.9837, 0.5565, 0.3963
Android (android.graphics.Color)	4292567808 (0xFFDB6300)
YUV	123.5940, -60.9318, 83.6711
Hunter-Lab	48.9732, 37.0385, 30.8255

Details

The XYZ color **33.6753, 23.9837, 2.8544** 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 **19.5023, 18.5467, 69.5695**, and the grayscale version is **19.1961, 20.1958, 21.9932**.

A 20% lighter version of the original color is **53.4224, 44.0981, 10.6971**, and **14.7268, 9.1010, 0.9805** is the 20% darker color. If you saturate the color by 10%, you get **33.6756, 23.9846, 2.8546**, and if you desaturate by 10%, it is **35.0423, 26.4879, 4.0200**.

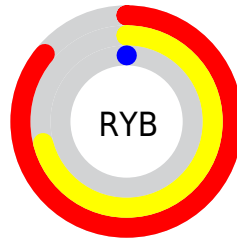
Distribution



Red (86%)

Green (39%)

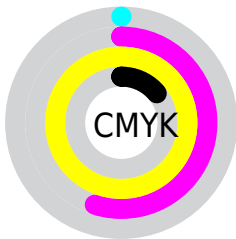
Blue (0%)



Red (86%)

Yellow (71%)

Blue (0%)

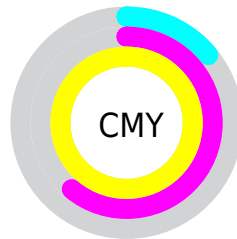


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (61%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6753, 23.9837, 2.8544 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 33.6753, 23.9837, 2.8544 by changing the saturation by 10% instead.


 33.6753, 23.9837,
2.8544


 33.6753, 23.9837,
2.8544


310.2932,
272.7381, 134.4840


 22.8060, 15.3215,
1.0208


 64.7761, 50.0036,
11.2670

 14.5702, 9.0454,
0.0000


 85.7382, 68.1301,
18.6831


 8.6027, 4.7708,
0.0000


 110.7953, 90.1802,
28.7970

 4.5380, 2.1134,
0.0000

 140.3128,
116.5383, 42.0274

 2.0107, 0.6721,
0.0000

 174.6560,
147.5887, 58.7927


 0.6400, 0.0000,
0.0000


 214.1902,


 0.0000, 0.0000,


183.7159, 79.5116


0.0000


 259.2809,
225.3042, 104.6025


 33.6753, 23.9837,
2.8544


 33.6753, 23.9837,
2.8544


 33.6756, 23.9846,
2.8546

 35.0423, 26.4879,
4.0200

 36.7480, 29.4078,
6.1031

 38.8527, 32.7794,
9.3880

 41.3929, 36.6271,
14.0349

 44.3998, 40.9729,
20.1792

■ 47.9012, 45.8370,
27.9395

■ 51.9224, 51.2384,
37.4223

■ 56.4870, 57.1948,
48.7252

■ 61.6167, 63.7229,
61.9381

Harmonies

Analogous

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



41.8703, 23.9837, 9.8151



33.6753, 23.9837, 2.8544



23.9017, 23.9837, 1.3708

Triad

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



33.6753, 23.9837, 2.8544



9.6081, 23.9837, 23.1191



31.2885, 23.9837, 99.4575

Complementary

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



33.6753, 23.9837, 2.8544



19.5023, 18.5467, 69.5695

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.



21.7245, 23.9837, 112.1759



33.6753, 23.9837, 2.8544



10.6249, 23.9837, 54.5510

Square

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



33.6753, 23.9837, 2.8544



11.2927, 23.9837, 7.2630



14.5551, 23.9837, 92.0468



40.2589, 23.9837, 63.8588

Rectangle

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



33.6753, 23.9837, 2.8544



18.2989, 23.9837, 1.6531



14.5551, 23.9837, 92.0468



27.9749, 23.9837, 107.2568

Sweetspot

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



33.6758, 23.9850, 2.8548



73.1415, 72.1252, 52.4498



32.6310, 16.4272, 19.3643



15.1207, 14.7254, 9.9484



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.



33.6758, 23.9850, 2.8548



47.4027, 33.5853, 3.9842



51.7813, 60.1960, 8.8900



13.5384, 14.0161, 13.7174



20.0744, 14.4343, 1.7281



1.3858, 1.1057, 0.1404

Inverse Universe

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



19.5023, 18.5467, 69.5695



27.3873, 25.8945, 98.1624



12.9053, 5.3528, 67.3705



12.9270, 13.7938, 16.6333



11.6747, 11.2188, 41.2885



0.8420, 0.8981, 2.7034

Previews

White Background



This preview shows how the XYZ color 33.6753, 23.9837, 2.8544 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 33.6753, 23.9837, 2.8544 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 33.6753, 23.9837, 2.8544

Background



This preview shows how black text looks on a background with the XYZ color 33.6753, 23.9837, 2.8544.



This preview shows how white text looks on a background with the XYZ color 33.6753, 23.9837,

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

33.6753, 23.9837, 2.8544

Protanopia

21.7391, 24.0539, 4.1589

Deuteranopia

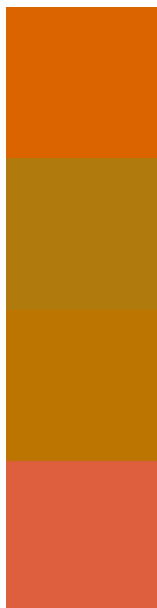
24.2967, 23.9844, 3.3489



Tritanopia

36.1560, 24.0657, 14.2948

Trichromacy



Original Color

33.6753, 23.9837, 2.8544

Protanomaly

24.9367, 23.1782, 3.5403

Deuteranomaly

27.1003, 23.4139, 3.0910

Tritanomaly

34.7805, 23.9044, 7.3383

Monochromacy



Original Color

33.6753, 23.9837, 2.8544

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

21.8401, 20.1969, 10.1444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6753, 23.9837, 2.8544 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, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 99, 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, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 99, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.6753, 23.9837, 2.8544 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, 99, 0) }
```


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

```
.border{ border-color:rgb(219, 99, 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, 99, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 99, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.6753, 23.9837, 2.8544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 99, 0) }
```

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

```
.background{ background-color: rgb(219, 99,  
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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