

Converting Colors

XYZ(37.7754, 33.6976, 5.2456)

Have a look what the booklet for
XYZ(37.7754, 33.6976, 5.2456)
contains.

XYZ(37.6846, 33.5510, 5.1993)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.6846, 33.5510,
5.1993)**

Conversions

Conversions Part 1

Format	Color
Hex	D78D15
RGB	215, 141, 21
RGB Percent	84%, 55%, 8%
CMY	0.1569, 0.4470, 0.9176
CMYK	0.00, 0.34, 0.90, 0.16
HSL	37°, 82%, 46%
HSV	37°, 90%, 84%
XYZ	37.6846, 33.5510, 5.1993
YIQ	149.4460, 82.6240, -21.6320

Conversions

Conversions Part 2

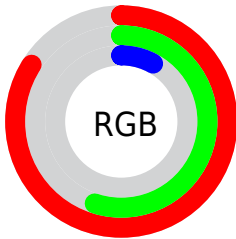
Format	Color
R _{YB}	141, 215, 21
Decimal	14126357
CIE Lab	64.60, 19.89, 66.41
CIE LCh	65, 69.328, 73.330
Yxy	33.5510, 0.4930, 0.4389
Android (android.graphics.Color)	4292316437 (0xFFD78D15)
YUV	149.4460, -63.3239, 57.4909
Hunter-Lab	57.9232, 14.7657, 35.2243

Details

The XYZ color **37.6846, 33.5510, 5.1993** 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 **16.6673, 13.2503, 65.9686**, and the grayscale version is **28.9909, 30.5006, 33.2152**.

A 20% lighter version of the original color is **62.2403, 60.8843, 16.2560**, and **17.0675, 14.3522, 1.8707** is the 20% darker color. If you saturate the color by 10%, you get **36.4108, 31.2202, 4.1071**, and if you desaturate by 10%, it is **39.2314, 36.1782, 7.1538**.

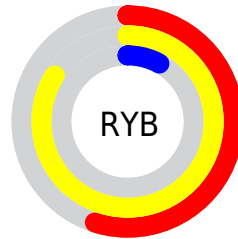
Distribution



Red (84%)

Green (55%)

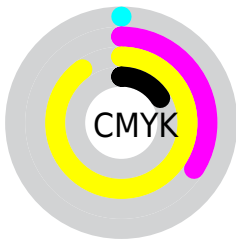
Blue (8%)



Red (55%)

Yellow (84%)

Blue (8%)

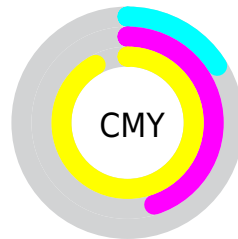


Cyan (0%)

Magenta (34%)

Yellow (90%)

Black (16%)



Cyan (16%)


Magenta (45%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6846, 33.5510, 5.1993 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 37.6846, 33.5510, 5.1993 by changing the saturation by 10% instead.


 37.6846, 33.5510,
5.1993


 37.6846, 33.5510,
5.1993


327.5693,
318.1253, 160.7456


 25.9141, 22.5489,
2.3039


 70.9315, 65.2348,
16.6928

 16.8917, 14.2608,
0.7334


 93.1386, 86.6853,
26.1281

 10.2521, 8.3023,
0.0000


 119.5552,
112.3874, 38.5803

 5.6300, 4.2890,
0.0000

 150.5468,
142.7255, 54.4681

 2.6599, 1.8365,
0.0000

 186.4786,
178.0839, 74.2100

 0.9766, 0.5098,
0.0000

 227.7161,

 0.0000, 0.0000,

218.8471, 98.2245

0.0000

274.6245,
265.3994, 126.9302

■ 37.6846, 33.5510,
5.1993

■ 37.6846, 33.5510,
5.1993

■ 36.4108, 31.2202,
4.1071

■ 39.2314, 36.1782,
7.1538

■ 41.0758, 39.0692,
10.2278

■ 43.2491, 42.2411,
14.5742

■ 45.7774, 45.7068,
20.3215

■ 48.6837, 49.4785,
27.5819

■ 51.9886, 53.5670,
36.4565

■ 55.7112, 57.9826,
47.0374

■ 59.8692, 62.7349,
59.4097

■ 64.4790, 67.8329,
73.6529

Harmonies

Analogous

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



47.8884, 33.5510, 10.3923



37.6846, 33.5510, 5.1993



27.6872, 33.5510, 4.9778

Triad

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



37.6846, 33.5510, 5.1993



16.6871, 33.5510, 50.6422



46.8643, 33.5510, 92.4766

Complementary

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



37.6846, 33.5510, 5.1993



16.6673, 13.2503, 65.9686

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.



36.4963, 33.5510, 119.7320



37.6846, 33.5510, 5.1993



19.9212, 33.5510, 88.3551

Square

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



37.6846, 33.5510, 5.1993



16.8747, 33.5510, 22.9857



26.7207, 33.5510, 117.9218



53.8953, 33.5510, 54.5653

Rectangle

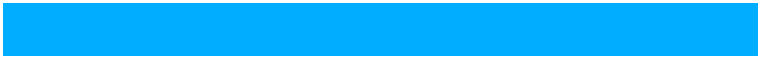
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.6846, 33.5510, 5.1993



22.5080, 33.5510, 7.2462



26.7207, 33.5510, 117.9218



43.5705, 33.5510, 103.8949

Sweetspot

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



37.6853, 33.5527, 5.1999



78.0660, 80.7058, 58.0013



30.3749, 15.8166, 12.3671



16.3224, 16.8084, 11.3368



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.



37.6853, 33.5527, 5.1999



53.4220, 45.6241, 5.9907



46.2669, 59.9091, 9.8349



13.0565, 13.6872, 13.1145



21.8834, 18.8841, 2.4916



1.3987, 1.2966, 0.1766

Inverse Universe

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



16.6673, 13.2503, 65.9686



22.3490, 15.8181, 96.4830



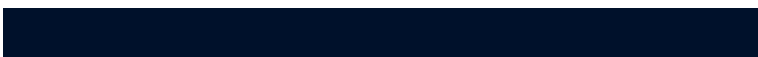
13.5573, 5.9704, 64.7274



12.1270, 12.7774, 15.7646



9.2362, 6.7343, 39.2662



0.6358, 0.5636, 2.3946

Previews

White Background



This preview shows how the XYZ color 37.6846, 33.5510, 5.1993 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 37.6846, 33.5510, 5.1993 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 37.6846, 33.5510, 5.1993

Background



This preview shows how black text looks on a background with the XYZ color 37.6846, 33.5510, 5.1993.



This preview shows how white text looks on a background with the XYZ color 37.6846, 33.5510,

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

37.6846, 33.5510, 5.1993

Protanopia

30.5448, 33.8754, 5.9060

Deuteranopia

34.3610, 33.6612, 5.0028



Tritanopia

42.7428, 33.5278, 29.4180

Trichromacy



Original Color

37.6846, 33.5510, 5.1993

Protanomaly

32.8790, 33.5988, 5.6165

Deuteranomaly

35.5419, 33.5714, 5.0586

Tritanomaly

40.0351, 33.2511, 15.6173

Monochromacy



Original Color

37.6846, 33.5510, 5.1993

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.9107, 30.4013, 16.8619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6846, 33.5510, 5.1993 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(215, 141, 21)` looks like.

```
.text, #text, p{  
    color:rgb(215, 141, 21)  
}
```

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(215, 141, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 141, 21) }
```

Border

The CSS property to change the border of an element to XYZ 37.6846, 33.5510, 5.1993 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(215, 141, 21) }
```


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

```
.border{ border-color:rgb(215, 141, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 141, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 141, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 141, 21);  
box-shadow:4px 4px 4px 4px rgb(215, 141,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6846, 33.5510, 5.1993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 141, 21) }
```

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

```
.background{ background-color: rgb(215,  
141, 21) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor