

Converting Colors

XYZ(37.5671, 35.4343, 5.5860)

Have a look what the booklet for
XYZ(37.5671, 35.4343, 5.5860)
contains.

XYZ(37.6200, 35.5685, 5.5921)	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(37.6200, 35.5685,
5.5921)**

Conversions

Conversions Part 1

Format	Color
Hex	D29615
RGB	210, 150, 21
RGB Percent	82%, 59%, 8%
CMY	0.1765, 0.4117, 0.9176
CMYK	0.00, 0.29, 0.90, 0.18
HSL	41°, 82%, 45%
HSV	41°, 90%, 82%
XYZ	37.6200, 35.5685, 5.5921
YIQ	153.2340, 77.1690, -27.3990

Conversions

Conversions Part 2

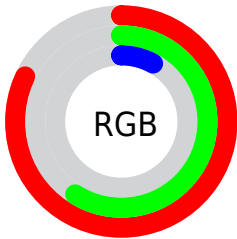
Format	Color
RYB	109, 210, 21
Decimal	13800981
CIELab	66.19, 12.85, 67.36
CIELCh	66, 68.577, 79.202
Yxy	35.5685, 0.4775, 0.4515
Android (android.graphics.Color)	4291991061 (0xFFD29615)
YUV	153.2340, -65.1914, 49.7838
Hunter-Lab	59.6393, 8.2275, 36.1882

Details

The XYZ color **37.6200, 35.5685, 5.5921** 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 **14.8846, 10.6976, 62.2524**, and the grayscale version is **30.6333, 32.2286, 35.0970**.

A 20% lighter version of the original color is **64.3559, 65.0549, 17.1476**, and **17.0395, 15.4077, 2.0759** is the 20% darker color. If you saturate the color by 10%, you get **36.4517, 33.4486, 4.5353**, and if you desaturate by 10%, it is **38.9977, 37.8719, 7.4458**.

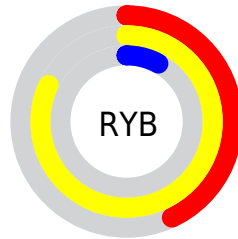
Distribution



Red (82%)

Green (59%)

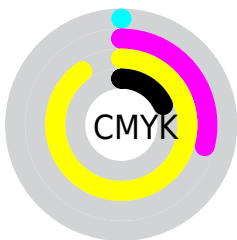
Blue (8%)



Red (43%)

Yellow (82%)

Blue (8%)

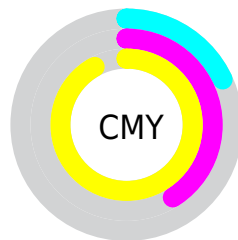


Cyan (0%)

Magenta (29%)

Yellow (90%)

Black (18%)



Cyan (18%)


Magenta (41%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6200, 35.5685, 5.5921 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 37.6200, 35.5685, 5.5921 by changing the saturation by 10% instead.


 37.6200, 35.5685,
5.5921


 37.6200, 35.5685,
5.5921


327.2962,
327.0706, 164.5511

 25.8638, 24.1011,
2.5339


 70.8330, 68.3655,
17.5410

 16.8539, 15.4087,
0.8581


 93.0204, 90.4640,
27.2688


 10.2250, 9.1067,
0.0000


 119.4157,
116.8749, 40.0570

 5.6118, 4.8108,
0.0000

 150.3841,
147.9827, 56.3239

 2.6489, 2.1367,
0.0000

 186.2910,
184.1718, 76.4883

 0.9709, 0.6851,
0.0000

 227.5017,

 0.0000, 0.0000,

225.8265, 100.9686

0.0000

274.3817,
273.3313, 130.1833

■ 37.6200, 35.5685,
5.5921

■ 37.6200, 35.5685,
5.5921

■ 36.4517, 33.4486,
4.5353

■ 38.9977, 37.8719,
7.4458

■ 36.4512, 33.4479,
4.5349

■ 40.6328, 40.3752,
10.3554

■ 42.5542, 43.0929,
14.4640

■ 44.7854, 46.0359,
19.8920

■ 47.3475, 49.2141,
26.7450

■ 50.2592, 52.6365,
35.1177

■ 53.5378, 56.3113,
45.0967

■ 57.1993, 60.2464,
56.7621

■ 61.2587, 64.4489,
70.1885

Harmonies

Analogous

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



48.3256, 35.5685, 9.8530



37.6200, 35.5685, 5.5921



27.7521, 35.5685, 6.1998

Triad

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



37.6200, 35.5685, 5.5921



18.4492, 35.5685, 60.3203



50.9533, 35.5685, 88.3076

Complementary

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



37.6200, 35.5685, 5.5921



14.8846, 10.6976, 62.2524

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.



40.6837, 35.5685, 119.7903



37.6200, 35.5685, 5.5921



22.5330, 35.5685, 98.7902

Square

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



37.6200, 35.5685, 5.5921



17.9564, 35.5685, 29.1202



30.2604, 35.5685, 124.3747



56.9913, 35.5685, 50.2461

Rectangle

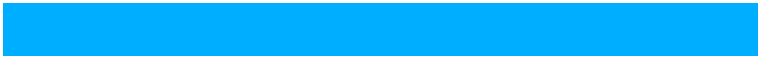
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.6200, 35.5685, 5.5921



22.8542, 35.5685, 9.4542



30.2604, 35.5685, 124.3747



47.7959, 35.5685, 100.6821

Sweetspot

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



37.6208, 35.5703, 5.5928



79.2987, 83.1712, 58.4122



28.4468, 14.8783, 9.7610



16.6145, 17.3925, 11.4341



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.



37.6208, 35.5703, 5.5928



56.3864, 51.5527, 6.9788



41.6569, 55.6711, 9.2599



12.4738, 13.1383, 12.4905



22.3289, 20.5908, 2.7976



1.3182, 1.2907, 0.1796

Inverse Universe

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



14.8846, 10.6976, 62.2524



20.9885, 13.0969, 96.0295



13.3434, 5.9333, 61.4141



11.4656, 12.0215, 14.9597



8.3884, 5.4235, 37.7972



0.5401, 0.4453, 2.1371

Previews

White Background



This preview shows how the XYZ color 37.6200, 35.5685, 5.5921 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 37.6200, 35.5685, 5.5921 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 37.6200, 35.5685, 5.5921

Background



This preview shows how black text looks on a background with the XYZ color 37.6200, 35.5685, 5.5921.



This preview shows how white text looks on a background with the XYZ color 37.6200, 35.5685,

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

37.6200, 35.5685, 5.5921

Protanopia

32.3872, 35.8559, 6.1336

Deuteranopia

36.4023, 35.6635, 5.5374



Tritanopia

43.4984, 35.7099, 33.4542

Trichromacy



Original Color

37.6200, 35.5685, 5.5921

Protanomaly

34.1300, 35.7261, 5.9611

Deuteranomaly

36.7994, 35.6253, 5.5529

Tritanomaly

40.1530, 35.2219, 17.5142

Monochromacy



Original Color

37.6200, 35.5685, 5.5921

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.2336, 32.4751, 17.9867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6200, 35.5685, 5.5921 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(210, 150, 21)` looks like.

```
.text, #text, p{  
    color:rgb(210, 150, 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(210, 150, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 150, 21) }
```

Border

The CSS property to change the border of an element to XYZ 37.6200, 35.5685, 5.5921 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(210, 150, 21) }
```


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

```
.border{ border-color:rgb(210, 150, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 150, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 150, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 150, 21);  
box-shadow:4px 4px 4px 4px rgb(210, 150,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6200, 35.5685, 5.5921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 150, 21) }
```

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

```
.background{ background-color: rgb(210,  
150, 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