

Converting Colors

XYZ(43.4115, 35.2030, 7.6388)

Have a look what the booklet for
XYZ(43.4115, 35.2030, 7.6388)
contains.

| | |
|--|----|
| XYZ(43.5225, 35.2291, 7.6380) | 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(43.5225, 35.2291,
7.6380)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EB8733 |
| RGB | 235, 135, 51 |
| RGB Percent | 92%, 53%, 20% |
| CMY | 0.0784, 0.4706, 0.8000 |
| CMYK | 0.00, 0.43, 0.78, 0.08 |
| HSL | 27°, 82%, 56% |
| HSV | 27°, 78%, 92% |
| XYZ | 43.5225, 35.2291, 7.6380 |
| YIQ | 155.3240, 86.5640, -4.9240 |

Conversions

Conversions Part 2

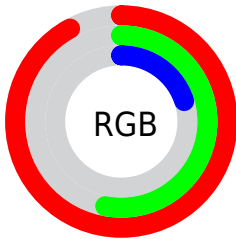
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 235, 206, 51 |
| Decimal | 15435571 |
| CIE Lab | 65.93, 32.25, 58.77 |
| CIE LCh | 66, 67.038, 61.241 |
| Yxy | 35.2291, 0.5038, 0.4078 |
| Android (android.graphics.Color) | 4293625651 (0xFFEB8733) |
| YUV | 155.3240, -51.4317, 69.8759 |
| Hunter-Lab | 59.3541, 27.0187, 33.9181 |

Details

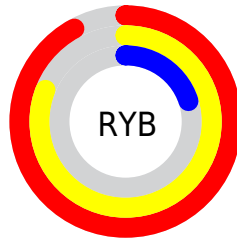
The XYZ color **43.5225, 35.2291, 7.6380** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **27.4266, 28.8338, 82.7168**, and the grayscale version is **31.4944, 33.1346, 36.0836**.

A 20% lighter version of the original color is **61.8858, 58.6345, 20.8878**, and **20.4039, 15.2249, 1.8633** is the 20% darker color. If you saturate the color by 10%, you get **41.4530, 31.7206, 5.0056**, and if you desaturate by 10%, it is **46.0689, 39.2735, 11.7202**.

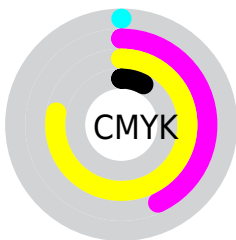
Distribution



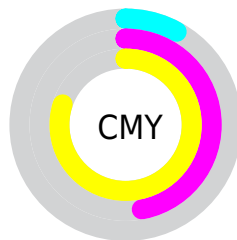
- Red (92%)
- Green (53%)
- Blue (20%)



- Red (92%)
- Yellow (81%)
- Blue (20%)



- Cyan (0%)
- Magenta (43%)
- Yellow (78%)
- Black (8%)





- Cyan (8%)
- Magenta (47%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.5225, 35.2291, 7.6380 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 43.5225, 35.2291, 7.6380 by changing the saturation by 10% instead.


 43.5225, 35.2291,
7.6380


 43.5225, 35.2291,
7.6380

351.6414,
325.5784, 182.6917


 30.4916, 23.8394,
3.7798


 79.7495, 67.8405,
21.7800

 20.3619, 15.2145,
1.5053


 103.6764, 89.8311,
32.9008

 12.7682, 8.9701,
0.2219


 131.9659,
116.1240, 47.2796

 7.3450, 4.7217,
0.0000

 164.9835,
147.1037, 65.3349

 3.7270, 2.0849,
0.0000

 203.0945,
183.1546, 87.4852

 1.5489, 0.6561,
0.0000

 246.6642,

 0.3587, 0.0000,

224.6611, 114.1491

0.0000

296.0581,
272.0076, 145.7451

■ 0.0000, 0.0000,
0.0000

■ 43.5225, 35.2291,
7.6380

■ 43.5225, 35.2291,
7.6380

■ 41.4530, 31.7206,
5.0056

■ 46.0689, 39.2735,
11.7202

■ 39.8011, 28.7076,
3.5583

■ 49.1317, 43.8763,
17.4354


■ 39.5487, 28.2379,
3.3660


■ 52.7479, 49.0649,
24.9416


■ 56.9499, 54.8626,
34.3771

■ 61.7672, 61.2913,
45.8667

 67.2273, 68.3716,
59.5244

 73.3555, 76.1229,
75.4560

 80.1760, 84.5639,
93.7600

 86.4796, 93.2197,
108.0430

Harmonies

Analogous

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



52.5781, 35.2291, 16.4333



43.5225, 35.2291, 7.6380



33.0728, 35.2291, 5.5671

Triad

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



43.5225, 35.2291, 7.6380



17.8085, 35.2291, 39.5539



44.3803, 35.2291, 106.5631

Complementary

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



43.5225, 35.2291, 7.6380



27.4266, 28.8338, 82.7168

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.



33.8990, 35.2291, 122.9645



43.5225, 35.2291, 7.6380



19.6830, 35.2291, 74.2279

Square

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



43.5225, 35.2291, 7.6380



19.3945, 35.2291, 17.6257



25.1219, 35.2291, 108.9184



53.1382, 35.2291, 71.0909

Rectangle

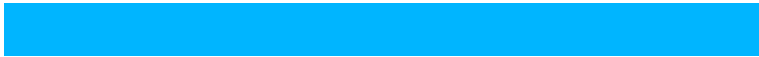
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.5225, 35.2291, 7.6380



27.0396, 35.2291, 6.6519



25.1219, 35.2291, 108.9184



40.8792, 35.2291, 115.0996

Sweetspot

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



43.5233, 35.2310, 7.6386



77.6653, 78.1046, 63.4160



41.1287, 22.3036, 31.9294



16.1231, 16.0657, 12.3307



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.



43.5233, 35.2310, 7.6386



48.6285, 35.8957, 4.8288



62.0003, 72.1849, 13.7976



15.6320, 16.1870, 15.8192



22.1350, 15.9642, 1.9148



1.8332, 1.4438, 0.1821

Inverse Universe

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



27.4266, 28.8338, 82.7168



28.4638, 27.7479, 98.4634



17.9872, 9.9550, 79.5703



14.9095, 15.9054, 19.2065



12.7500, 12.1470, 45.4156



1.0972, 1.1459, 3.5982

Previews

White Background



This preview shows how the XYZ color 43.5225, 35.2291, 7.6380 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 43.5225, 35.2291, 7.6380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

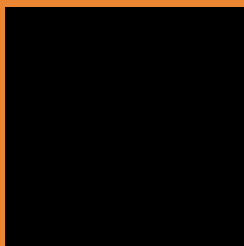
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.5225, 35.2291, 7.6380

Background



This preview shows how black text looks on a background with the XYZ color 43.5225, 35.2291, 7.6380.



This preview shows how white text looks on a background with the XYZ color 43.5225, 35.2291,

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

43.5225, 35.2291, 7.6380

Protanopia

32.0990, 35.3789, 9.1400

Deuteranopia

36.0590, 35.2025, 7.3769



Tritanopia

47.6299, 35.3070, 27.5971

Trichromacy



Original Color

43.5225, 35.2291, 7.6380

Protanomaly

35.4710, 34.8744, 8.4763

Deuteranomaly

38.5235, 35.0591, 7.4260

Tritanomaly

45.7923, 35.1623, 17.7381

Monochromacy



Original Color

43.5225, 35.2291, 7.6380

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.5680, 32.6545, 21.3634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.5225, 35.2291, 7.6380 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(235, 135, 51)` looks like.

```
.text, #text, p{  
    color:rgb(235, 135, 51)  
}
```

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(235, 135, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 135, 51) }
```

Border

The CSS property to change the border of an element to XYZ 43.5225, 35.2291, 7.6380 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(235, 135, 51) }
```


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

```
.border{ border-color:rgb(235, 135, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 135, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 135, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 135, 51);  
box-shadow:4px 4px 4px 4px rgb(235, 135,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 43.5225, 35.2291, 7.6380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 135, 51) }
```

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

```
.background{ background-color: rgb(235,  
135, 51) }
```

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