

Converting Colors

XYZ(43.9885, 36.7256, 6.7903)

Have a look what the booklet for
XYZ(43.9885, 36.7256, 6.7903)
contains.

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Color

**XYZ(44.1688, 36.8651,
6.7952)**

Conversions

Conversions Part 1

Format	Color
Hex	EB8D28
RGB	235, 141, 40
RGB Percent	92%, 55%, 16%
CMY	0.0784, 0.4470, 0.8431
CMYK	0.00, 0.40, 0.83, 0.08
HSL	31°, 83%, 54%
HSV	31°, 83%, 92%
XYZ	44.1688, 36.8651, 6.7952
YIQ	157.5920, 88.4450, -11.4830

Conversions

Conversions Part 2

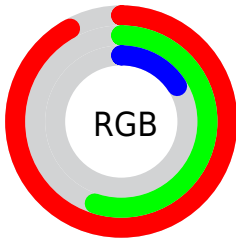
Format	Color
R _Y B	221, 235, 40
Decimal	15437096
CIE Lab	67.18, 28.77, 64.08
CIE LCh	67, 70.237, 65.822
Yxy	36.8651, 0.5029, 0.4197
Android (android.graphics.Color)	4293627176 (0xFFEB8D28)
YUV	157.5920, -57.9729, 67.8868
Hunter-Lab	60.7166, 23.5971, 35.8661

Details

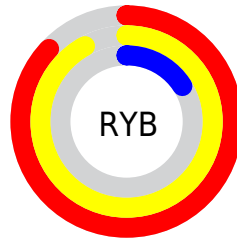
The XYZ color **44.1688, 36.8651, 6.7952** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **24.3950, 23.4984, 81.8465**, and the grayscale version is **32.5417, 34.2364, 37.2834**.

A 20% lighter version of the original color is **62.8207, 61.1164, 19.3121**, and **20.8897, 16.1966, 2.0252** is the 20% darker color. If you saturate the color by 10%, you get **42.2981, 33.5811, 4.7626**, and if you desaturate by 10%, it is **46.4546, 40.5917, 10.1633**.

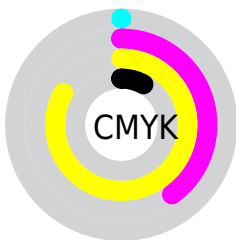
Distribution



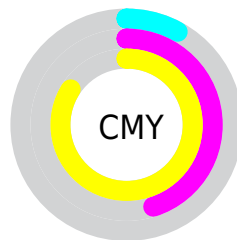
- Red (92%)
- Green (55%)
- Blue (16%)



- Red (87%)
- Yellow (92%)
- Blue (16%)



- Cyan (0%)
- Magenta (40%)
- Yellow (83%)
- Black (8%)





- Cyan (8%)
- Magenta (45%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.1688, 36.8651, 6.7952 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 44.1688, 36.8651, 6.7952 by changing the saturation by 10% instead.


 44.1688, 36.8651,
6.7952

 44.1688, 36.8651,
6.7952


354.2373,
332.7261, 175.5168

 31.0017, 25.1031,
3.2579


 80.7165, 70.3653,
20.0658


 20.7520, 16.1539,
1.2278


 104.8277, 92.8722,
30.6362

 13.0543, 9.6331,
0.0015


 133.3178,
119.7295, 44.3879

 7.5432, 5.1564,
0.0000

 166.5520,
151.3216, 61.7396

 3.8534, 2.3393,
0.0000

 204.8957,
188.0330, 83.1098

 1.6195, 0.7944,
0.0000

 248.7142,

 0.4051, 0.0000,

230.2479, 108.9171

0.0000

298.3730,
278.3508, 139.5799

■ 0.0000, 0.0000,
0.0000

■ 44.1688, 36.8651,
6.7952

■ 44.1688, 36.8651,
6.7952

■ 42.2981, 33.5811,
4.7626

■ 46.4546, 40.5917,
10.1633

■ 41.1864, 31.5135,
3.9119

■ 49.1961, 44.7803,
15.0681

■ 52.4305, 49.4546,
21.6783

■ 56.1897, 54.6348,
30.1395

■ 60.5024, 60.3393,
40.5819

■ 65.3950, 66.5855,
53.1234

■ 70.8920, 73.3895,
67.8728

■ 77.0163, 80.7670,
84.9314

■ 83.7896, 88.7327,
104.3939

Harmonies

Analogous

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



54.5303, 36.8651, 14.5710



44.1688, 36.8651, 6.7952



32.9916, 36.8651, 5.4112

Triad

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



44.1688, 36.8651, 6.7952



18.2854, 36.8651, 46.4241



48.5265, 36.8651, 109.4679

Complementary

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



44.1688, 36.8651, 6.7952



24.3950, 23.4984, 81.8465

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.



37.1698, 36.8651, 132.0463



44.1688, 36.8651, 6.7952



20.8531, 36.8651, 85.4974

Square

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



44.1688, 36.8651, 6.7952



19.4099, 36.8651, 20.5052



27.2632, 36.8651, 121.5650



57.3838, 36.8651, 69.4661

Rectangle

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



44.1688, 36.8651, 6.7952



26.8129, 36.8651, 7.0163



27.2632, 36.8651, 121.5650



44.7963, 36.8651, 120.0750

Sweetspot

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



44.1696, 36.8670, 6.7959



77.4001, 78.4897, 60.5052



39.3402, 20.9081, 24.6085



16.1161, 16.2266, 11.7890



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.



44.1696, 36.8670, 6.7959



49.5027, 37.7854, 4.6842



63.2885, 76.6833, 13.4735



15.7109, 16.3447, 15.8455



23.0509, 17.7961, 2.2201



1.9063, 1.5900, 0.2064

Inverse Universe

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



24.3950, 23.4984, 81.8465



25.1225, 21.3650, 97.4075



16.7611, 8.0350, 79.2641



14.8304, 15.7472, 19.1801



11.7757, 10.1985, 45.0908



1.0206, 0.9926, 3.5727

Previews

White Background



This preview shows how the XYZ color 44.1688, 36.8651, 6.7952 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 44.1688, 36.8651, 6.7952 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 44.1688, 36.8651, 6.7952

Background



This preview shows how black text looks on a background with the XYZ color 44.1688, 36.8651, 6.7952.



This preview shows how white text looks on a background with the XYZ color 44.1688, 36.8651,

6.7952.

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

44.1688, 36.8651, 6.7952

Protanopia

33.5358, 36.9385, 7.9471

Deuteranopia

37.8951, 37.1521, 6.6126



Tritanopia

48.9942, 36.9509, 29.7493

Trichromacy



Original Color

44.1688, 36.8651, 6.7952

Protanomaly

36.9717, 36.6553, 7.5094

Deuteranomaly

40.0003, 37.0123, 6.7049

Tritanomaly

46.4226, 36.5046, 17.6961

Monochromacy



Original Color

44.1688, 36.8651, 6.7952

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.5724, 34.1334, 20.9859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.1688, 36.8651, 6.7952 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, 141, 40)` looks like.

```
.text, #text, p{  
    color:rgb(235, 141, 40)  
}
```

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, 141, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 141, 40) }
```

Border

The CSS property to change the border of an element to XYZ 44.1688, 36.8651, 6.7952 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, 141, 40) }
```


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

```
.border{ border-color:rgb(235, 141, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 141, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 141, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 141, 40);  
box-shadow:4px 4px 4px 4px rgb(235, 141,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 44.1688, 36.8651, 6.7952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 141, 40) }
```

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

```
.background{ background-color: rgb(235,  
141, 40) }
```

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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