

Converting Colors

XYZ(41.9133, 31.8278, 8.3420)

Have a look what the booklet for
XYZ(41.9133, 31.8278, 8.3420)
contains.

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Color

**XYZ(42.0628, 31.9182,
8.3587)**

Conversions

Conversions Part 1

Format	Color
Hex	EB7A3D
RGB	235, 122, 61
RGB Percent	92%, 48%, 24%
CMY	0.0784, 0.5215, 0.7608
CMYK	0.00, 0.48, 0.74, 0.08
HSL	21°, 81%, 58%
HSV	21°, 74%, 92%
XYZ	42.0628, 31.9182, 8.3587
YIQ	148.8330, 86.9290, 4.9850

Conversions

Conversions Part 2

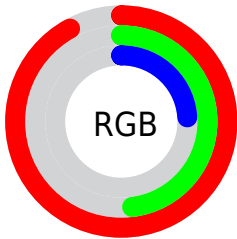
Format	Color
R _{YB}	235, 155, 61
Decimal	15432253
CIE Lab	63.28, 39.32, 51.68
CIE LCh	63, 64.941, 52.732
Yxy	31.9182, 0.5108, 0.3876
Android (android.graphics.Color)	4293622333 (0xFFEB7A3D)
YUV	148.8330, -43.3017, 75.5685
Hunter-Lab	56.4962, 34.0293, 30.7753

Details

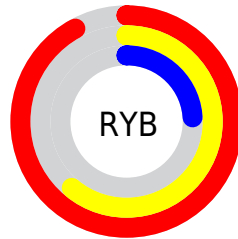
The XYZ color **42.0628, 31.9182, 8.3587** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **32.0546, 37.2597, 84.0991**, and the grayscale version is **28.6485, 30.1405, 32.8230**.

A 20% lighter version of the original color is **59.6900, 53.4805, 22.5060**, and **19.5252, 13.4061, 1.7595** is the 20% darker color. If you saturate the color by 10%, you get **39.8339, 28.2615, 5.1474**, and if you desaturate by 10%, it is **44.8645, 36.2777, 13.1285**.

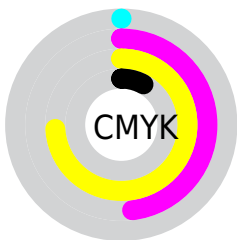
Distribution



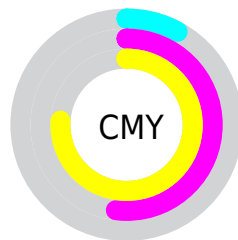
- Red (92%)
- Green (48%)
- Blue (24%)



- Red (92%)
- Yellow (61%)
- Blue (24%)



- Cyan (0%)
- Magenta (48%)
- Yellow (74%)
- Black (8%)





- Cyan (8%)
- Magenta (52%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0628, 31.9182, 8.3587 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 42.0628, 31.9182, 8.3587 by changing the saturation by 10% instead.


 42.0628, 31.9182,
8.3587

 42.0628, 31.9182,
8.3587


345.7304,
310.7465, 188.5574

 29.3418, 21.2990,
4.2343


 77.5592, 62.6828,
23.2164


 19.4851, 13.3428,
1.7547


 101.0654, 83.5971,
34.7867


 12.1274, 7.6650,
0.3978


 128.8972,
108.7118, 49.6760

 6.9033, 3.8813,
0.0000

 161.4202,
138.4114, 68.3030

 3.4475, 1.6074,
0.0000

 198.9997,
173.0803, 91.0861

 1.3946, 0.3626,
0.0000

 242.0010,

 0.2524, 0.0000,

213.1028, 118.4438

0.0000

290.7894,
258.8634, 150.7947

■ 0.0000, 0.0000,
0.0000

■ 42.0628, 31.9182,
8.3587

■ 42.0628, 31.9182,
8.3587

■ 39.8339, 28.2615,
5.1474

■ 44.8645, 36.2777,
13.1285

■ 38.1228, 25.2594,
3.2818


■ 48.2818, 41.3732,
19.6288


■ 37.3078, 23.7562,
2.6191


■ 52.3552, 47.2418,
28.0105

■ 57.1209, 53.9161,
38.4071

■ 62.6121, 61.4267,
50.9403

 68.8596, 69.8025,
65.7217

 75.8924, 79.0709,
82.8553

 83.7380, 89.2582,
102.4384

 88.0707, 96.4020,
108.5734

Harmonies

Analogous

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



49.2502, 31.9182, 18.9107



42.0628, 31.9182, 8.3587



32.5785, 31.9182, 5.1358

Triad

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



42.0628, 31.9182, 8.3587



16.2109, 31.9182, 28.8559



37.5241, 31.9182, 103.3883

Complementary

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



42.0628, 31.9182, 8.3587



32.0546, 37.2597, 84.0991

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.



28.2013, 31.9182, 110.6899



42.0628, 31.9182, 8.3587



17.0171, 31.9182, 57.6252

Square

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



42.0628, 31.9182, 8.3587



18.5492, 31.9182, 12.5596



21.0225, 31.9182, 90.9600



46.2891, 31.9182, 74.2078

Rectangle

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



42.0628, 31.9182, 8.3587



26.6826, 31.9182, 5.3685



21.0225, 31.9182, 90.9600



34.3113, 31.9182, 108.9241

Sweetspot

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



42.0635, 31.9199, 8.3593



76.7565, 75.8176, 64.5607



43.5793, 24.0596, 42.4426



16.0144, 15.6674, 12.8523



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.



42.0635, 31.9199, 8.3593



46.7730, 31.9896, 4.8112



57.8789, 63.5507, 13.6310



15.4975, 15.9179, 15.7744



20.8719, 13.4381, 1.4937



1.7264, 1.2301, 0.1464

Inverse Universe

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



32.0546, 37.2597, 84.0991



33.9437, 38.2944, 100.2103



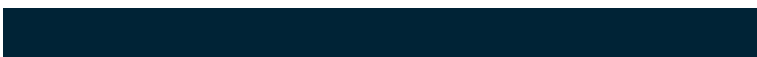
20.3362, 13.8230, 80.1930



15.0475, 16.1814, 19.2525



14.7737, 16.1944, 46.0901



1.2498, 1.4510, 3.6491

Previews

White Background



This preview shows how the XYZ color 42.0628, 31.9182, 8.3587 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 42.0628, 31.9182, 8.3587 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 42.0628, 31.9182, 8.3587

Background



This preview shows how black text looks on a background with the XYZ color 42.0628, 31.9182, 8.3587.



This preview shows how white text looks on a background with the XYZ color 42.0628, 31.9182,

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

42.0628, 31.9182, 8.3587

Protanopia

29.2387, 32.0994, 10.4491

Deuteranopia

32.6830, 32.0306, 7.9500



Tritanopia

44.9658, 31.8687, 22.5202

Trichromacy



Original Color

42.0628, 31.9182, 8.3587

Protanomaly

32.9343, 31.2206, 9.6005

Deuteranomaly

35.6966, 31.5966, 8.0882

Tritanomaly

43.7037, 31.8815, 15.9069

Monochromacy



Original Color

42.0628, 31.9182, 8.3587

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

31.2659, 29.4529, 20.8667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0628, 31.9182, 8.3587 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, 122, 61)` looks like.

```
.text, #text, p{  
    color:rgb(235, 122, 61)  
}
```

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, 122, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 122, 61) }
```

Border

The CSS property to change the border of an element to XYZ 42.0628, 31.9182, 8.3587 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, 122, 61) }
```


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

```
.border{ border-color:rgb(235, 122, 61) }
```

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

Here you see how a box with a 4 pixel rgb(235, 122, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 122, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 122, 61);  
box-shadow:4px 4px 4px 4px rgb(235, 122,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0628, 31.9182, 8.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 122, 61) }
```

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

```
.background{ background-color: rgb(235,  
122, 61) }
```

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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