

Converting Colors

XYZ(42.1180, 34.1216, 11.6611)

Have a look what the booklet for
XYZ(42.1180, 34.1216, 11.6611)
contains.

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Color

**XYZ(42.2133, 34.2583,
11.5953)**

Conversions

Conversions Part 1

Format	Color
Hex	E5864E
RGB	229, 134, 78
RGB Percent	90%, 53%, 31%
CMY	0.1020, 0.4745, 0.6941
CMYK	0.00, 0.41, 0.66, 0.10
HSL	22°, 74%, 60%
HSV	22°, 66%, 90%
XYZ	42.2133, 34.2583, 11.5953
YIQ	156.0210, 74.5960, 2.7240

Conversions

Conversions Part 2

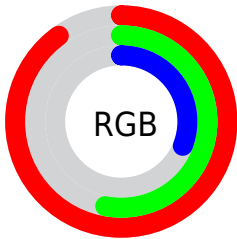
Format	Color
R _{YB}	229, 167, 78
Decimal	15042126
CIE _{Lab}	65.17, 31.62, 45.14
CIE _{LCh}	65, 55.118, 54.989
Yxy	34.2583, 0.4793, 0.3890
Android (android.graphics.Color)	4293232206 (0xFFE5864E)
YUV	156.0210, -38.4644, 64.0026
Hunter-Lab	58.5306, 26.3088, 29.2257

Details

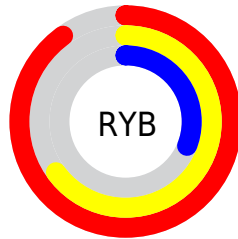
The XYZ color **42.2133, 34.2583, 11.5953** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **32.2271, 37.1615, 79.6025**, and the grayscale version is **31.7532, 33.4068, 36.3800**.

A 20% lighter version of the original color is **63.1857, 58.8114, 28.7904**, and **19.4635, 14.6001, 2.9547** is the 20% darker color. If you saturate the color by 10%, you get **39.6734, 30.2718, 7.3792**, and if you desaturate by 10%, it is **45.3118, 38.9052, 17.4079**.

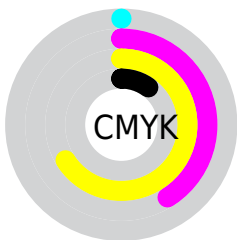
Distribution



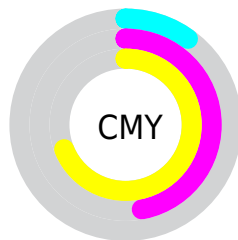
- Red (90%)
- Green (53%)
- Blue (31%)



- Red (90%)
- Yellow (65%)
- Blue (31%)



- Cyan (0%)
- Magenta (41%)
- Yellow (66%)
- Black (10%)





- Cyan (10%)
- Magenta (47%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2133, 34.2583, 11.5953 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 42.2133, 34.2583, 11.5953 by changing the saturation by 10% instead.


 42.2133, 34.2583,
11.5953


 42.2133, 34.2583,
11.5953


346.3430,
321.2823, 212.5893


 29.4602, 23.0921,
6.3496


 77.7855, 66.3351,
29.4091


 19.5752, 14.6615,
2.9866


 101.3353, 88.0146,
42.8143


 12.1931, 8.5822,
1.0878


 129.2146,
113.9672, 59.7764

 6.9485, 4.4697,
0.0000

 161.7890,
144.5775, 80.7139

 3.4759, 1.9396,
0.0000

 199.4236,
180.2297, 106.0455

 1.4102, 0.5720,
0.0000

242.4839,

 0.2635, 0.0000,

221.3083, 136.1895

0.0000

291.3353,
268.1977, 171.5646

■ 0.0000, 0.0000,
0.0000

■ 42.2133, 34.2583,
11.5953

■ 42.2133, 34.2583,
11.5953

■ 39.6734, 30.2718,
7.3792

■ 45.3118, 38.9052,
17.4079

■ 37.6477, 26.9061,
4.5900

■ 49.0035, 44.2384,
24.9591

■ 36.0868, 24.1243,
3.0216

■ 53.3226, 50.2886,
34.3772

■ 35.5563, 23.1449,
2.5934

■ 58.2998, 57.0830,
45.7780

■ 63.9634, 64.6470,
59.2676

■ 70.3402, 73.0049,
74.9444

■ 77.4553, 82.1799,
92.9008

■ 84.3180, 91.7883,
107.8806

■ 86.1228, 95.3979,
108.4822

Harmonies

Analogous

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



48.5973, 34.2583, 21.6085



42.2133, 34.2583, 11.5953



33.9244, 34.2583, 8.3689

Triad

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



42.2133, 34.2583, 11.5953



19.5108, 34.2583, 33.5824



39.5050, 34.2583, 93.2094

Complementary

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



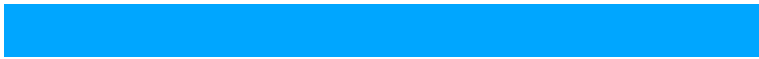
42.2133, 34.2583, 11.5953



32.2271, 37.1615, 79.6025

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.



31.2356, 34.2583, 100.6881



42.2133, 34.2583, 11.5953



20.5095, 34.2583, 59.1902

Square

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



42.2133, 34.2583, 11.5953



21.5132, 34.2583, 17.2979



24.5059, 34.2583, 86.2980



46.8627, 34.2583, 68.7337

Rectangle

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



42.2133, 34.2583, 11.5953



28.7412, 34.2583, 8.8701



24.5059, 34.2583, 86.2980



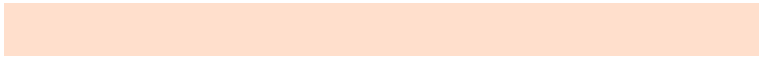
36.7061, 34.2583, 98.1295

Sweetspot

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



42.2141, 34.2601, 11.5959



78.5043, 78.3501, 68.1122



42.6416, 25.1486, 42.4639



16.3690, 16.1896, 13.5470



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.



42.2141, 34.2601, 11.5959



49.6496, 37.0306, 7.9657



56.4557, 62.7432, 16.3431



14.8126, 15.2392, 15.0652



20.4353, 13.4448, 1.5180



1.5967, 1.1667, 0.1410

Inverse Universe

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



32.2271, 37.1615, 79.6025



35.9254, 40.7482, 100.5795



21.6650, 16.0374, 76.0818



14.3346, 15.3906, 18.3595



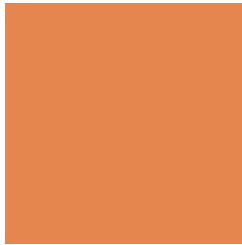
13.9128, 14.8878, 44.5235



1.1163, 1.2766, 3.3195

Previews

White Background



This preview shows how the XYZ color 42.2133, 34.2583, 11.5953 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 42.2133, 34.2583, 11.5953 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 42.2133, 34.2583, 11.5953

Background



This preview shows how black text looks on a background with the XYZ color 42.2133, 34.2583, 11.5953.



This preview shows how white text looks on a background with the XYZ color 42.2133, 34.2583,

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

42.2133, 34.2583, 11.5953

Protanopia

31.7570, 34.5821, 13.8053

Deuteranopia

35.0676, 34.3634, 11.2631



Tritanopia

45.6376, 34.2800, 27.5039

Trichromacy



Original Color

42.2133, 34.2583, 11.5953

Protanomaly

34.9734, 34.0393, 12.9106

Deuteranomaly

37.4078, 34.1687, 11.2802

Tritanomaly

44.3559, 34.3589, 20.5138

Monochromacy



Original Color

42.2133, 34.2583, 11.5953

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.0146, 32.8056, 24.9614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2133, 34.2583, 11.5953 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(229, 134, 78)` looks like.

```
.text, #text, p{  
    color:rgb(229, 134, 78)  
}
```

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(229, 134, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 134, 78) }
```

Border

The CSS property to change the border of an element to XYZ 42.2133, 34.2583, 11.5953 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(229, 134, 78) }
```


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

```
.border{ border-color:rgb(229, 134, 78) }
```

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

Here you see how a box with a 4 pixel rgb(229, 134, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 134, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 134, 78);  
box-shadow:4px 4px 4px 4px rgb(229, 134,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2133, 34.2583, 11.5953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 134, 78) }
```

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

```
.background{ background-color: rgb(229,  
134, 78) }
```

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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