

Converting Colors

XYZ(41.6526, 34.4015, 12.0145)

Have a look what the booklet for
XYZ(41.6526, 34.4015, 12.0145)
contains.

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Color

**XYZ(41.6162, 34.3563,
12.0274)**

Conversions

Conversions Part 1

Format	Color
Hex	E28850
RGB	226, 136, 80
RGB Percent	89%, 53%, 31%
CMY	0.1137, 0.4666, 0.6863
CMYK	0.00, 0.40, 0.65, 0.11
HSL	23°, 72%, 60%
HSV	23°, 65%, 89%
XYZ	41.6162, 34.3563, 12.0274
YIQ	156.5260, 71.6160, 1.6640

Conversions

Conversions Part 2

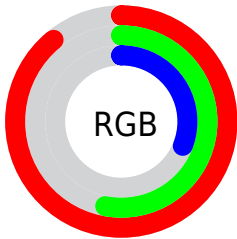
Format	Color
R _{YB}	226, 171, 80
Decimal	14846032
CIE Lab	65.24, 29.48, 44.11
CIE LCh	65, 53.060, 56.244
Yxy	34.3563, 0.4729, 0.3904
Android (android.graphics.Color)	4293036112 (0xFFE28850)
YUV	156.5260, -37.7273, 60.9287
Hunter-Lab	58.6142, 24.1603, 28.8639

Details

The XYZ color **41.6162, 34.3563, 12.0274** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **31.4095, 35.9439, 77.2336**, and the grayscale version is **31.9773, 33.6426, 36.6368**.

A 20% lighter version of the original color is **63.7502, 59.7256, 29.6409**, and **19.2351, 14.7083, 3.1917** is the 20% darker color. If you saturate the color by 10%, you get **39.0813, 30.4059, 7.7327**, and if you desaturate by 10%, it is **44.6884, 38.9326, 17.8868**.

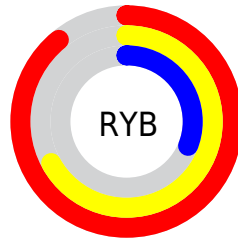
Distribution



Red (89%)

Green (53%)

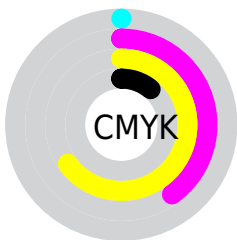
Blue (31%)



Red (89%)

Yellow (67%)

Blue (31%)

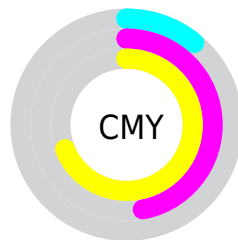


Cyan (0%)

Magenta (40%)

Yellow (65%)

Black (11%)



Cyan (11%)


Magenta (47%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6162, 34.3563, 12.0274 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 41.6162, 34.3563, 12.0274 by changing the saturation by 10% instead.


 41.6162, 34.3563,
12.0274


 41.6162, 34.3563,
12.0274


343.9082,
321.7179, 215.5709

 28.9907, 23.1675,
6.6396


 76.8872, 66.4874,
30.2101


 19.2180, 14.7172,
3.1627


 100.2635, 88.1984,
43.8421


 11.9329, 8.6212,
1.1783


 127.9540,
114.1855, 61.0593

 6.7698, 4.4949,
0.0000

 160.3241,
144.8333, 82.2801

 3.3636, 1.9541,
0.0000

 197.7393,
180.5260, 107.9231

 1.3488, 0.5806,
0.0000

240.5648,

 0.2193, 0.0000,

221.6481, 138.4069

0.0000

289.1660,
268.5839, 174.1500

■ 0.0000, 0.0000,
0.0000

■ 41.6162, 34.3563,
12.0274

■ 41.6162, 34.3563,
12.0274

■ 39.0813, 30.4059,
7.7327

■ 44.6884, 38.9326,
17.8868

■ 37.0422, 27.0447,
4.8425

■ 48.3302, 44.1581,
25.4457

■ 35.4533, 24.2394,
3.1644

■ 52.5738, 50.0611,
34.8265

■ 34.7473, 22.9356,
2.5956

■ 57.4478, 56.6665,
46.1395

■ 62.9791, 63.9978,
59.4863

■ 69.1928, 72.0774,
74.9613

■ 76.1126, 80.9266,
92.6528

■ 82.8128, 90.1865,
107.6508

■ 85.1739, 94.9087,
108.4378

Harmonies

Analogous

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



47.8589, 34.3563, 21.5835



41.6162, 34.3563, 12.0274



33.6367, 34.3563, 9.0030

Triad

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



41.6162, 34.3563, 12.0274



19.9699, 34.3563, 34.6919



39.6677, 34.3563, 89.9564

Complementary

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



41.6162, 34.3563, 12.0274



31.4095, 35.9439, 77.2336

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.



31.6919, 34.3563, 97.8795



41.6162, 34.3563, 12.0274



21.0688, 34.3563, 59.5299

Square

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



41.6162, 34.3563, 12.0274



21.8032, 34.3563, 18.4102



25.0818, 34.3563, 85.0500



46.6152, 34.3563, 66.3494

Rectangle

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



41.6162, 34.3563, 12.0274



28.6761, 34.3563, 9.6387



25.0818, 34.3563, 85.0500



36.9851, 34.3563, 94.8621

Sweetspot

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



41.6170, 34.3581, 12.0280



79.4094, 79.6667, 69.9353



41.4915, 24.8098, 40.6488



16.5539, 16.4637, 13.9040



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.



41.6170, 34.3581, 12.0280



50.2617, 38.1573, 8.4702



55.6041, 62.3323, 16.6904



14.1361, 14.5582, 14.3717



19.9299, 13.2977, 1.5163



1.4662, 1.0912, 0.1333

Inverse Universe

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



31.4095, 35.9439, 77.2336



35.7468, 40.1843, 100.4800



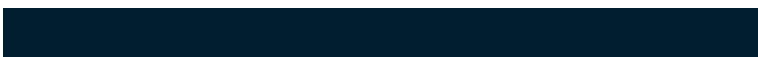
21.3137, 15.7523, 73.8683



13.6520, 14.6431, 17.4945



13.2422, 13.9540, 43.0438



1.0037, 1.1388, 3.0122

Previews

White Background



This preview shows how the XYZ color 41.6162, 34.3563, 12.0274 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 41.6162, 34.3563, 12.0274 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 41.6162, 34.3563, 12.0274

Background



This preview shows how black text looks on a background with the XYZ color 41.6162, 34.3563, 12.0274.



This preview shows how white text looks on a background with the XYZ color 41.6162, 34.3563,

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

41.6162, 34.3563, 12.0274

Protanopia

31.8388, 34.6148, 14.2358

Deuteranopia

35.1711, 34.4048, 11.8083



Tritanopia

45.1436, 34.3876, 28.6842

Trichromacy



Original Color

41.6162, 34.3563, 12.0274

Protanomaly

34.9544, 34.2584, 13.3646

Deuteranomaly

37.3862, 34.3732, 11.8720

Tritanomaly

43.8344, 34.4685, 21.4823

Monochromacy



Original Color

41.6162, 34.3563, 12.0274

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

34.0013, 33.0250, 25.3513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6162, 34.3563, 12.0274 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(226, 136, 80)` looks like.

```
.text, #text, p{  
    color:rgb(226, 136, 80)  
}
```

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(226, 136, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 136, 80) }
```

Border

The CSS property to change the border of an element to XYZ 41.6162, 34.3563, 12.0274 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(226, 136, 80) }
```


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

```
.border{ border-color:rgb(226, 136, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 136, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 136, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 136, 80);  
box-shadow:4px 4px 4px 4px rgb(226, 136,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6162, 34.3563, 12.0274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 136, 80) }
```

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

```
.background{ background-color: rgb(226,  
136, 80) }
```

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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