

Converting Colors

XYZ(41.2086, 34.3499, 12.4425)

Have a look what the booklet for
XYZ(41.2086, 34.3499, 12.4425)
contains.

XYZ(41.2091, 34.3478, 12.4405)	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(41.2091, 34.3478,
12.4405)**

Conversions

Conversions Part 1

Format	Color
Hex	E08952
RGB	224, 137, 82
RGB Percent	88%, 54%, 32%
CMY	0.1216, 0.4627, 0.6784
CMYK	0.00, 0.39, 0.63, 0.12
HSL	23°, 70%, 60%
HSV	23°, 63%, 88%
XYZ	41.2091, 34.3478, 12.4405
YIQ	156.7430, 69.5070, 1.3390

Conversions

Conversions Part 2

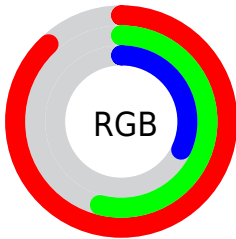
Format	Color
R _Y B	224, 172, 82
Decimal	14715218
CIE Lab	65.24, 28.27, 43.02
CIE LCh	65, 51.474, 56.688
Yxy	34.3478, 0.4683, 0.3903
Android (android.graphics.Color)	4292905298 (0xFFE08952)
YUV	156.7430, -36.8483, 58.9844
Hunter-Lab	58.6070, 22.9488, 28.4394

Details

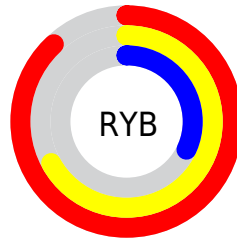
The XYZ color **41.2091, 34.3478, 12.4405** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **31.1213, 35.5497, 75.7421**, and the grayscale version is **32.0716, 33.7418, 36.7448**.

A 20% lighter version of the original color is **64.1044, 60.2151, 30.4343**, and **18.9264, 14.6636, 3.3462** is the 20% darker color. If you saturate the color by 10%, you get **38.6636, 30.4056, 8.0511**, and if you desaturate by 10%, it is **44.2825, 38.9011, 18.3787**.

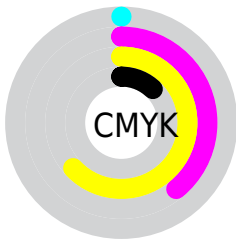
Distribution



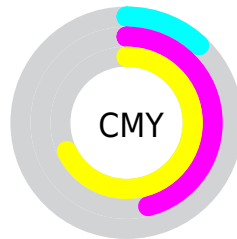
- Red (88%)
- Green (54%)
- Blue (32%)



- Red (88%)
- Yellow (67%)
- Blue (32%)



- Cyan (0%)
- Magenta (39%)
- Yellow (63%)
- Black (12%)





- Cyan (12%)
- Magenta (46%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2091, 34.3478, 12.4405 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 41.2091, 34.3478, 12.4405 by changing the saturation by 10% instead.


 41.2091, 34.3478,
12.4405


 41.2091, 34.3478,
12.4405


342.2415,
321.6801, 218.3805

 28.6709, 23.1609,
6.9183


 76.2739, 66.4742,
30.9712


 18.9750, 14.7124,
3.3334


 99.5312, 88.1824,
44.8167


 11.7561, 8.6178,
1.2673


 127.0923,
114.1666, 62.2738

 6.6489, 4.4927,
0.0347

 159.3225,
144.8111, 83.7609

 3.2879, 1.9528,
0.0000

 196.5872,
180.5003, 109.6965

 1.3078, 0.5798,
0.0000

239.2516,

 0.1890, 0.0000,

221.6186, 140.4993

0.0000

287.6813,
268.5504, 176.5878

■ 0.0000, 0.0000,
0.0000

■ 41.2091, 34.3478,
12.4405

■ 41.2091, 34.3478,
12.4405

■ 38.6636, 30.4056,
8.0511

■ 44.2825, 38.9011,
18.3787

■ 36.6060, 27.0393,
5.0567

■ 47.9147, 44.0875,
25.9953

■ 34.9931, 24.2172,
3.2746

■ 52.1365, 49.9342,
35.4086

■ 34.1298, 22.6263,
2.5685

■ 56.9758, 56.4652,
46.7253

■ 62.4584, 63.7029,
60.0438

■ 68.6084, 71.6689,
75.4556

■ 75.4490, 80.3836,
93.0466

■ 81.9870, 89.4607,
107.5542

■ 84.5503, 94.5872,
108.4086

Harmonies

Analogous

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



47.2735, 34.3478, 21.7687



41.2091, 34.3478, 12.4405



33.4855, 34.3478, 9.4907

Triad

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



41.2091, 34.3478, 12.4405



20.2795, 34.3478, 35.0667



39.5490, 34.3478, 87.6594

Complementary

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



41.2091, 34.3478, 12.4405



31.1213, 35.5497, 75.7421

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.



31.8217, 34.3478, 95.5120



41.2091, 34.3478, 12.4405



21.3986, 34.3478, 59.1423

Square

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



41.2091, 34.3478, 12.4405



22.0325, 34.3478, 19.0169



25.3607, 34.3478, 83.5224



46.2167, 34.3478, 64.9220

Rectangle

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



41.2091, 34.3478, 12.4405



28.6844, 34.3478, 10.1750



25.3607, 34.3478, 83.5224



36.9577, 34.3478, 92.4300

Sweetspot

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



41.2099, 34.3496, 12.4411



79.4587, 79.7654, 69.9518



40.9725, 24.7680, 40.4370



16.5658, 16.4873, 13.9079



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.



41.2099, 34.3496, 12.4411



50.9301, 39.2838, 9.3414



54.6812, 61.2922, 16.9316



14.1404, 14.5668, 14.3732



19.9698, 13.3775, 1.5296



1.4692, 1.0973, 0.1344

Inverse Universe

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



31.1213, 35.5497, 75.7421



36.2937, 40.8323, 100.5763



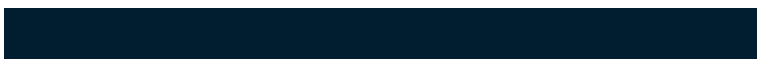
21.3553, 16.0178, 72.4867



13.6475, 14.6342, 17.4931



13.1723, 13.8142, 43.0205



0.9991, 1.1297, 3.0106

Previews

White Background



This preview shows how the XYZ color 41.2091, 34.3478, 12.4405 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 41.2091, 34.3478, 12.4405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

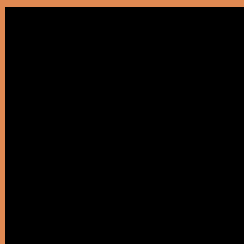
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.2091, 34.3478, 12.4405

Background



This preview shows how black text looks on a background with the XYZ color 41.2091, 34.3478, 12.4405.



This preview shows how white text looks on a background with the XYZ color 41.2091, 34.3478,

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

41.2091, 34.3478, 12.4405

Protanopia

31.6992, 34.5331, 14.6677

Deuteranopia

34.9836, 34.2998, 12.1738



Tritanopia

44.7112, 34.3527, 29.0851

Trichromacy



Original Color

41.2091, 34.3478, 12.4405

Protanomaly

34.5251, 34.0278, 13.7652

Deuteranomaly

37.1805, 34.2588, 12.2424

Tritanomaly

43.3959, 34.4379, 21.8127

Monochromacy



Original Color

41.2091, 34.3478, 12.4405

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.9917, 33.2482, 25.7451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2091, 34.3478, 12.4405 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(224, 137, 82)` looks like.

```
.text, #text, p{  
    color:rgb(224, 137, 82)  
}
```

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(224, 137, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 137, 82) }
```

Border

The CSS property to change the border of an element to XYZ 41.2091, 34.3478, 12.4405 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(224, 137, 82) }
```


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

```
.border{ border-color:rgb(224, 137, 82) }
```

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

Here you see how a box with a 4 pixel rgb(224, 137, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 137, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 137, 82);  
box-shadow:4px 4px 4px 4px rgb(224, 137,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2091, 34.3478, 12.4405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 137, 82) }
```

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

```
.background{ background-color: rgb(224,  
137, 82) }
```

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