

Converting Colors

XYZ(41.5233, 35.3031, 14.0614)

Have a look what the booklet for
XYZ(41.5233, 35.3031, 14.0614)
contains.

XYZ(41.4522, 35.3006, 14.0801)	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(41.4522, 35.3006,
14.0801)**

Conversions

Conversions Part 1

Format	Color
Hex	DE8D59
RGB	222, 141, 89
RGB Percent	87%, 55%, 35%
CMY	0.1294, 0.4470, 0.6510
CMYK	0.00, 0.36, 0.60, 0.13
HSL	23°, 67%, 61%
HSV	23°, 60%, 87%
XYZ	41.4522, 35.3006, 14.0801
YIQ	159.2910, 64.9680, 1.0000

Conversions

Conversions Part 2

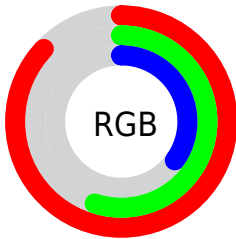
Format	Color
R _Y B	222, 174, 89
Decimal	14585177
CIE Lab	65.98, 25.80, 40.21
CIE LCh	66, 47.778, 57.311
Yxy	35.3006, 0.4564, 0.3886
Android (android.graphics.Color)	4292775257 (0xFFDE8D59)
YUV	159.2910, -34.6535, 54.9958
Hunter-Lab	59.4143, 20.5609, 27.5394

Details

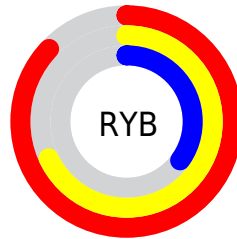
The XYZ color **41.4522, 35.3006, 14.0801** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **31.6784, 36.1452, 74.4139**, and the grayscale version is **33.2217, 34.9518, 38.0625**.

A 20% lighter version of the original color is **65.4887, 62.1837, 33.3620**, and **19.1607, 15.2590, 4.0332** is the 20% darker color. If you saturate the color by 10%, you get **38.7836, 31.2372, 9.2643**, and if you desaturate by 10%, it is **44.6469, 39.9667, 20.4584**.

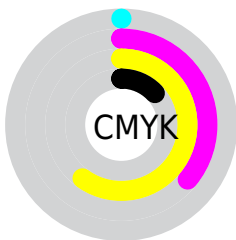
Distribution



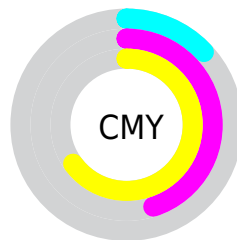
- Red (87%)
- Green (55%)
- Blue (35%)



- Red (87%)
- Yellow (68%)
- Blue (35%)



- Cyan (0%)
- Magenta (36%)
- Yellow (60%)
- Black (13%)





- Cyan (13%)
- Magenta (45%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4522, 35.3006, 14.0801 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 41.4522, 35.3006, 14.0801 by changing the saturation by 10% instead.


 41.4522, 35.3006,
14.0801


 41.4522, 35.3006,
14.0801


343.2374,
325.8932, 229.1743

 28.8618, 23.8945,
8.0370


 76.6403, 67.9512,
33.9503

 19.1201, 15.2554,
4.0305


 99.9686, 89.9645,
48.6144


 11.8616, 8.9988,
1.6421


 127.6071,
116.2823, 66.9893

 6.7210, 4.7404,
0.3206

 159.9209,
147.2891, 89.4935

 3.3330, 2.0958,
0.0000

 197.2755,
183.3691, 116.5456

 1.3322, 0.6622,
0.0000

240.0362,

 0.2071, 0.0000,

224.9069, 148.5641

0.0000

288.5684,
272.2868, 185.9674

■ 0.0000, 0.0000,
0.0000

■ 41.4522, 35.3006,
14.0801

■ 41.4522, 35.3006,
14.0801

■ 38.7836, 31.2372,
9.2643

■ 44.6469, 39.9667,
20.4584

■ 36.6037, 27.7432,
5.8684

■ 48.3964, 45.2559,
28.5205

■ 34.8730, 24.7896,
3.7264

■ 52.7299, 51.1940,
38.3781

■ 33.5276, 22.3348,
2.5498

■ 57.6738, 57.8035,
50.1324

■ 33.5165, 22.3145,
2.5406

■ 63.2526, 65.1060,
63.8773

■ 69.4895, 73.1217,
79.7001

■ 76.4065, 81.8702,
97.6831

■ 82.0994, 90.6004,
107.7683

■ 83.9340, 94.2695,
108.3798

Harmonies

Analogous

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



47.1555, 35.3006, 23.1833



41.4522, 35.3006, 14.0801



34.1947, 35.3006, 11.1689

Triad

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



41.4522, 35.3006, 14.0801



21.7110, 35.3006, 36.6365



40.1918, 35.3006, 84.5109

Complementary

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



41.4522, 35.3006, 14.0801



31.6784, 36.1452, 74.4139

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.



32.9177, 35.3006, 91.9954



41.4522, 35.3006, 14.0801



22.8543, 35.3006, 59.2364

Square

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



41.4522, 35.3006, 14.0801



23.3522, 35.3006, 20.9949



26.7256, 35.3006, 81.4564



46.3589, 35.3006, 63.5637

Rectangle

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



41.4522, 35.3006, 14.0801



29.6633, 35.3006, 11.9418



26.7256, 35.3006, 81.4564



37.7669, 35.3006, 88.9476

Sweetspot

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



41.4530, 35.3024, 14.0808



80.2432, 80.8327, 71.7595



41.0488, 25.6154, 41.3173



16.7219, 16.7023, 14.2600



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.



41.4530, 35.3024, 14.0808



52.2414, 41.4225, 11.2707



54.1150, 60.6263, 18.3014



14.1446, 14.5752, 14.3746



20.0090, 13.4559, 1.5427



1.4722, 1.1033, 0.1354

Inverse Universe

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



31.6784, 36.1452, 74.4139



37.6546, 42.5279, 100.8318



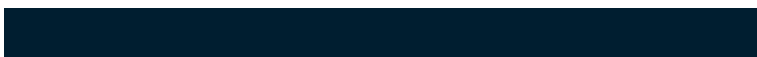
22.3073, 17.4030, 71.2902



13.6432, 14.6255, 17.4916



13.1049, 13.6793, 42.9980



0.9947, 1.1208, 3.0092

Previews

White Background



This preview shows how the XYZ color 41.4522, 35.3006, 14.0801 looks on a white background.

Color Contrast Check

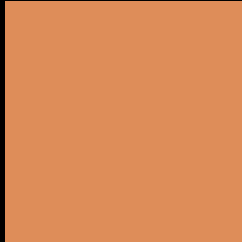
Large Text (above 18pt) WCAG AA × Fail

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 41.4522, 35.3006, 14.0801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

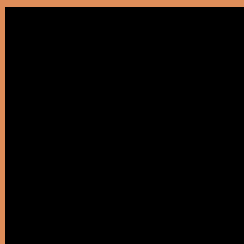
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.4522, 35.3006, 14.0801

Background



This preview shows how black text looks on a background with the XYZ color 41.4522, 35.3006, 14.0801.



This preview shows how white text looks on a background with the XYZ color 41.4522, 35.3006,

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

41.4522, 35.3006, 14.0801

Protanopia

32.7607, 35.5644, 16.2043

Deuteranopia

36.0969, 35.3247, 13.7199



Tritanopia

44.9232, 35.2326, 30.8184

Trichromacy



Original Color

41.4522, 35.3006, 14.0801

Protanomaly

35.5237, 35.2390, 15.2854

Deuteranomaly

37.9213, 35.3048, 13.8327

Tritanomaly

43.6351, 35.3541, 23.5930

Monochromacy



Original Color

41.4522, 35.3006, 14.0801

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.8227, 34.1228, 27.3053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4522, 35.3006, 14.0801 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(222, 141, 89)` looks like.

```
.text, #text, p{  
    color:rgb(222, 141, 89)  
}
```

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(222, 141, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 141, 89) }
```

Border

The CSS property to change the border of an element to XYZ 41.4522, 35.3006, 14.0801 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(222, 141, 89) }
```


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

```
.border{ border-color:rgb(222, 141, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 141, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 141, 89); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 141, 89); box-shadow:4px 4px 4px 4px rgb(222, 141, 89) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4522, 35.3006, 14.0801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 141, 89) }
```

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

```
.background{ background-color: rgb(222,  
141, 89) }
```

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