

Converting Colors

XYZ(40.6176, 34.1649, 12.9513)

Have a look what the booklet for
XYZ(40.6176, 34.1649, 12.9513)
contains.

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Color

**XYZ(40.5470, 34.2050,
13.0595)**

Conversions

Conversions Part 1

Format	Color
Hex	DD8A55
RGB	221, 138, 85
RGB Percent	87%, 54%, 33%
CMY	0.1333, 0.4588, 0.6667
CMYK	0.00, 0.38, 0.62, 0.13
HSL	23°, 67%, 60%
HSV	23°, 62%, 87%
XYZ	40.5470, 34.2050, 13.0595
YIQ	156.7750, 66.4810, 1.1130

Conversions

Conversions Part 2

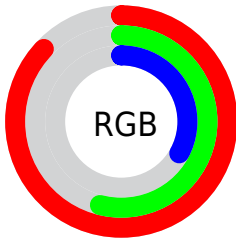
Format	Color
R _{YB}	221, 172, 85
Decimal	14518869
CIE _{Lab}	65.12, 26.72, 41.24
CIE _{LCh}	65, 49.137, 57.061
Yxy	34.2050, 0.4618, 0.3895
Android (android.graphics.Color)	4292708949 (0xFFDD8A55)
YUV	156.7750, -35.3851, 56.3253
Hunter-Lab	58.4850, 21.4032, 27.7003

Details

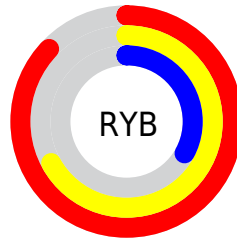
The XYZ color **40.5470, 34.2050, 13.0595** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **30.7993, 35.1552, 73.5687**, and the grayscale version is **32.0806, 33.7513, 36.7551**.

A 20% lighter version of the original color is **64.5336, 60.7368, 31.6146**, and **18.6424, 14.6313, 3.5918** is the 20% darker color. If you saturate the color by 10%, you get **37.9861, 30.2758, 8.5300**, and if you desaturate by 10%, it is **43.6240, 38.7280, 19.1140**.

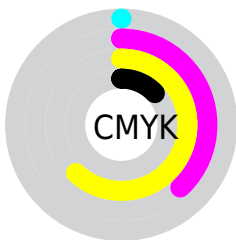
Distribution



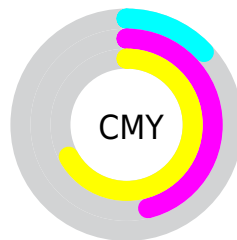
- Red (87%)
- Green (54%)
- Blue (33%)



- Red (87%)
- Yellow (67%)
- Blue (33%)



- Cyan (0%)
- Magenta (38%)
- Yellow (62%)
- Black (13%)





- Cyan (13%)
- Magenta (46%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5470, 34.2050, 13.0595 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 40.5470, 34.2050, 13.0595 by changing the saturation by 10% instead.


 40.5470, 34.2050,
13.0595


 40.5470, 34.2050,
13.0595

339.5187,
321.0452, 222.5198

 28.1514, 23.0511,
7.3383


 75.2748, 66.2523,
32.1034

 18.5809, 14.6313,
3.5929


 98.3377, 87.9146,
46.2632


 11.4700, 8.5610,
1.4048


 125.6871,
113.8484, 64.0729

 6.4535, 4.4560,
0.1455

 157.6883,
144.4382, 85.9512

 3.1660, 1.9318,
0.0000

 194.7068,
180.0684, 112.3164

 1.2422, 0.5674,
0.0000

237.1077,

 0.1393, 0.0000,

221.1234, 143.5873

0.0000

285.2566,
267.9875, 180.1822

■ 0.0000, 0.0000,
0.0000

■ 40.5470, 34.2050,
13.0595

■ 40.5470, 34.2050,
13.0595

■ 37.9861, 30.2758,
8.5300

■ 43.6240, 38.7280,
19.1140

■ 35.9035, 26.9069,
5.3810

■ 47.2460, 43.8653,
26.8159

■ 34.2590, 24.0688,
3.4429

■ 51.4424, 49.6428,
36.2774

■ 33.1571, 22.0490,
2.5083

■ 56.2397, 56.0833,
47.6002

■ 61.6624, 63.2080,
60.8780

■ 67.7336, 71.0376,
76.1982

■ 74.4754, 79.5913,
93.6431

■ 80.7937, 88.4422,
107.4205

■ 83.6287, 94.1121,
108.3655

Harmonies

Analogous

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



46.3068, 34.2050, 22.0883



40.5470, 34.2050, 13.0595



33.2186, 34.2050, 10.1883

Triad

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



40.5470, 34.2050, 13.0595



20.6544, 34.2050, 35.2670



39.1531, 34.2050, 84.2732

Complementary

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



40.5470, 34.2050, 13.0595



30.7993, 35.1552, 73.5687

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.



31.8132, 34.2050, 91.8044



40.5470, 34.2050, 13.0595



21.7694, 34.2050, 58.1064

Square

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



40.5470, 34.2050, 13.0595



22.3117, 34.2050, 19.7180



25.6135, 34.2050, 80.8519



45.4229, 34.2050, 62.9226

Rectangle

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



40.5470, 34.2050, 13.0595



28.6533, 34.2050, 10.9109



25.6135, 34.2050, 80.8519



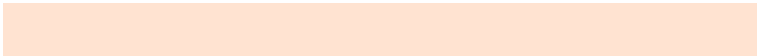
36.6999, 34.2050, 88.7804

Sweetspot

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



40.5478, 34.2067, 13.0601



80.2272, 80.8007, 71.7542



40.2163, 24.7289, 40.1242



16.7180, 16.6946, 14.2587



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.



40.5478, 34.2067, 13.0601



51.5877, 40.3678, 10.2735



53.3216, 59.7544, 17.3181



13.4702, 13.8797, 13.6947



19.3641, 13.0138, 1.4913



1.3367, 1.0076, 0.1240

Inverse Universe

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



30.7993, 35.1552, 73.5687



36.9336, 41.6218, 100.6949



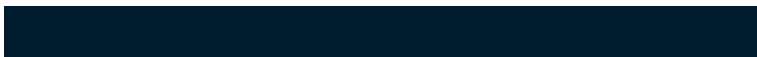
21.4384, 16.4336, 70.4484



12.9967, 13.9331, 16.6565



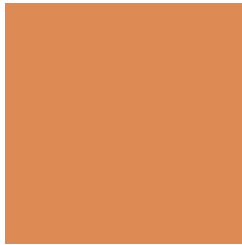
12.7169, 13.3033, 41.6359



0.9067, 1.0275, 2.7250

Previews

White Background



This preview shows how the XYZ color 40.5470, 34.2050, 13.0595 looks on a white background.

Color Contrast Check

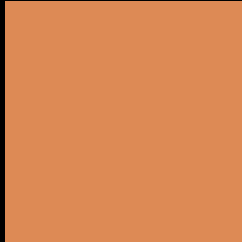
Large Text (above 18pt) WCAG AA × Fail

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 40.5470, 34.2050, 13.0595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

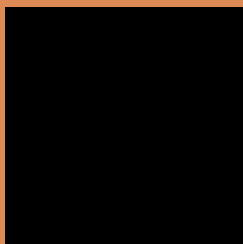
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5470, 34.2050, 13.0595

Background



This preview shows how black text looks on a background with the XYZ color 40.5470, 34.2050, 13.0595.



This preview shows how white text looks on a background with the XYZ color 40.5470, 34.2050,

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

40.5470, 34.2050, 13.0595

Protanopia

31.7855, 34.5677, 15.1222

Deuteranopia

35.0953, 34.3445, 12.7621



Tritanopia

43.9754, 34.1632, 29.4757

Trichromacy



Original Color

40.5470, 34.2050, 13.0595

Protanomaly

34.3556, 33.9309, 14.1898

Deuteranomaly

36.7421, 34.0197, 12.8136

Tritanomaly

42.7168, 34.2780, 22.4540

Monochromacy



Original Color

40.5470, 34.2050, 13.0595

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.8255, 33.1547, 26.0894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5470, 34.2050, 13.0595 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(221, 138, 85)` looks like.

```
.text, #text, p{  
    color:rgb(221, 138, 85)  
}
```

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(221, 138, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 138, 85) }
```

Border

The CSS property to change the border of an element to XYZ 40.5470, 34.2050, 13.0595 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(221, 138, 85) }
```


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

```
.border{ border-color:rgb(221, 138, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 138, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 138, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 138, 85);  
box-shadow:4px 4px 4px 4px rgb(221, 138,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5470, 34.2050, 13.0595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 138, 85) }
```

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

```
.background{ background-color: rgb(221,  
138, 85) }
```

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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