

Converting Colors

XYZ(40.4520, 34.2711, 13.7174)

Have a look what the booklet for
XYZ(40.4520, 34.2711, 13.7174)
contains.

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Color

**XYZ(40.5093, 34.3855,
13.7345)**

Conversions

Conversions Part 1

Format	Color
Hex	DC8B58
RGB	220, 139, 88
RGB Percent	86%, 55%, 35%
CMY	0.1373, 0.4549, 0.6549
CMYK	0.00, 0.37, 0.60, 0.14
HSL	23°, 65%, 60%
HSV	23°, 60%, 86%
XYZ	40.5093, 34.3855, 13.7345
YIQ	157.4050, 64.6470, 1.3110

Conversions

Conversions Part 2

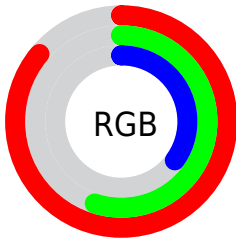
Format	Color
R _Y B	220, 171, 88
Decimal	14453592
CIE Lab	65.27, 25.99, 39.81
CIE LCh	65, 47.544, 56.866
Yxy	34.3855, 0.4571, 0.3880
Android (android.graphics.Color)	4292643672 (0xFFDC8B58)
YUV	157.4050, -34.2167, 54.8958
Hunter-Lab	58.6392, 20.6935, 27.1605

Details

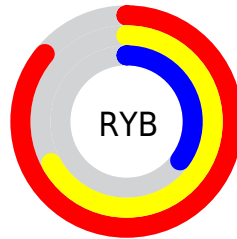
The XYZ color **40.5093, 34.3855, 13.7345** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **31.1299, 35.6161, 72.9437**, and the grayscale version is **32.3603, 34.0455, 37.0756**.

A 20% lighter version of the original color is **64.9702, 61.2640, 32.8269**, and **18.5707, 14.7097, 3.8680** is the 20% darker color. If you saturate the color by 10%, you get **37.8965, 30.4049, 9.0259**, and if you desaturate by 10%, it is **43.6401, 38.9623, 19.9727**.

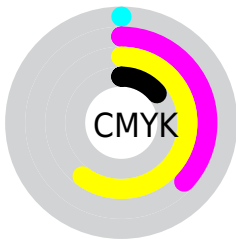
Distribution



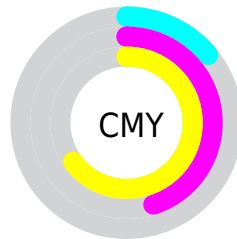
- Red (86%)
- Green (55%)
- Blue (35%)



- Red (86%)
- Yellow (67%)
- Blue (35%)



- Cyan (0%)
- Magenta (37%)
- Yellow (60%)
- Black (14%)





- Cyan (14%)
- Magenta (45%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5093, 34.3855, 13.7345 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 40.5093, 34.3855, 13.7345 by changing the saturation by 10% instead.


 40.5093, 34.3855,
13.7345


 40.5093, 34.3855,
13.7345

339.3633,
321.8476, 226.9435


 28.1218, 23.1899,
7.7996


 75.2179, 66.5327,
33.3275

 18.5584, 14.7338,
3.8811


 98.2697, 88.2531,
47.8227


 11.4538, 8.6328,
1.5603


 125.6070,
114.2506, 66.0084

 6.4425, 4.5024,
0.2623

 157.5951,
144.9095, 88.3032

 3.1591, 1.9584,
0.0000

 194.5994,
180.6143, 115.1255

 1.2385, 0.5831,
0.0000

236.9854,

 0.1364, 0.0000,

221.7493, 146.8940

0.0000

285.1182,
268.6989, 184.0272

■ 0.0000, 0.0000,
0.0000

■ 40.5093, 34.3855,
13.7345

■ 40.5093, 34.3855,
13.7345

■ 37.8965, 30.4049,
9.0259

■ 43.6401, 38.9623,
19.9727

■ 35.7648, 26.9876,
5.7071

■ 47.3170, 44.1556,
27.8593

■ 34.0754, 24.1045,
3.6158

■ 51.5691, 49.9911,
37.5037

■ 32.7644, 21.7142,
2.4644

■ 56.4222, 56.4913,
49.0051

■ 32.7643, 21.7140,
2.4644

■ 61.9005, 63.6774,
62.4553

■ 68.0269, 71.5697,
77.9400

■ 74.8228, 80.1876,
95.5396

■ 80.8254, 88.9563,
107.5181

■ 83.3251, 93.9556,
108.3513

Harmonies

Analogous

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



46.0491, 34.3855, 22.7228



40.5093, 34.3855, 13.7345



33.4153, 34.3855, 10.8221

Triad

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



40.5093, 34.3855, 13.7345



21.1141, 34.3855, 35.3948



39.0726, 34.3855, 82.7680

Complementary

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



40.5093, 34.3855, 13.7345



31.1299, 35.6161, 72.9437

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.



31.9603, 34.3855, 89.8448



40.5093, 34.3855, 13.7345



22.1904, 34.3855, 57.4392

Square

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



40.5093, 34.3855, 13.7345



22.7572, 34.3855, 20.2328



25.9348, 34.3855, 79.2823



45.1407, 34.3855, 62.3745

Rectangle

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



40.5093, 34.3855, 13.7345



28.9714, 34.3855, 11.5288



25.9348, 34.3855, 79.2823



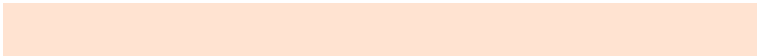
36.6975, 34.3855, 87.0383

Sweetspot

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



40.5101, 34.3872, 13.7351



80.1853, 80.7169, 71.7402



40.2040, 25.0749, 40.4544



16.7079, 16.6743, 14.2553



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.



40.5101, 34.3872, 13.7351



52.1145, 41.1686, 11.2284



53.0123, 59.3916, 17.9025



13.4665, 13.8724, 13.6935



19.3295, 12.9445, 1.4798



1.3343, 1.0026, 0.1232

Inverse Universe

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



31.1299, 35.6161, 72.9437



37.8301, 42.8790, 100.8904



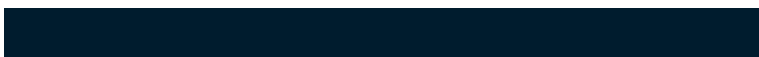
21.8331, 17.0226, 69.8448



13.0004, 13.9406, 16.6577



12.7767, 13.4228, 41.6559



0.9103, 1.0348, 2.7262

Previews

White Background



This preview shows how the XYZ color 40.5093, 34.3855, 13.7345 looks on a white background.

Color Contrast Check

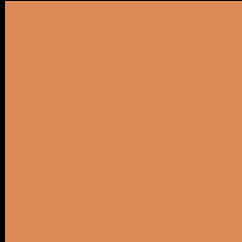
Large Text (above 18pt) WCAG AA × Fail

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 40.5093, 34.3855, 13.7345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

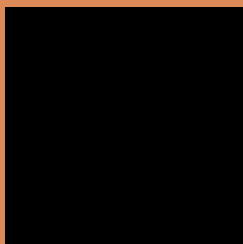
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5093, 34.3855, 13.7345

Background



This preview shows how black text looks on a background with the XYZ color 40.5093, 34.3855, 13.7345.



This preview shows how white text looks on a background with the XYZ color 40.5093, 34.3855,

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

40.5093, 34.3855, 13.7345

Protanopia

31.9193, 34.6212, 15.8267

Deuteranopia

35.2120, 34.3912, 13.3766



Tritanopia

43.8742, 34.3028, 29.8999

Trichromacy



Original Color

40.5093, 34.3855, 13.7345

Protanomaly

34.6459, 34.3055, 14.9208

Deuteranomaly

37.0153, 34.3767, 13.4885

Tritanomaly

42.6083, 34.4211, 22.8106

Monochromacy



Original Color

40.5093, 34.3855, 13.7345

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.8936, 33.1819, 26.4482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5093, 34.3855, 13.7345 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(220, 139, 88)` looks like.

```
.text, #text, p{  
    color:rgb(220, 139, 88)  
}
```

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(220, 139, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 139, 88) }
```

Border

The CSS property to change the border of an element to XYZ 40.5093, 34.3855, 13.7345 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(220, 139, 88) }
```


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

```
.border{ border-color:rgb(220, 139, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 139, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 139, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 139, 88);  
box-shadow:4px 4px 4px 4px rgb(220, 139,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5093, 34.3855, 13.7345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 139, 88) }
```

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

```
.background{ background-color: rgb(220,  
139, 88) }
```

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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