

Converting Colors

XYZ(41.3757, 34.6025, 10.5318)

Have a look what the booklet for
XYZ(41.3757, 34.6025, 10.5318)
contains.

XYZ(41.2771, 34.6394, 10.4718)	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(41.2771, 34.6394,
10.4718)**

Conversions

Conversions Part 1

Format	Color
Hex	E18A47
RGB	225, 138, 71
RGB Percent	88%, 54%, 28%
CMY	0.1177, 0.4588, 0.7216
CMYK	0.00, 0.39, 0.68, 0.12
HSL	26°, 72%, 58%
HSV	26°, 68%, 88%
XYZ	41.2771, 34.6394, 10.4718
YIQ	156.3750, 73.3590, -2.3930

Conversions

Conversions Part 2

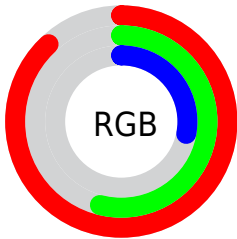
Format	Color
R _Y B	225, 190, 71
Decimal	14780999
CIE Lab	65.47, 27.49, 48.83
CIE LCh	65, 56.034, 60.621
Yxy	34.6394, 0.4778, 0.4010
Android (android.graphics.Color)	4292971079 (0xFFE18A47)
YUV	156.3750, -42.0899, 60.1841
Hunter-Lab	58.8552, 22.1912, 30.6495

Details

The XYZ color **41.2771, 34.6394, 10.4718** 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 **28.4152, 31.2279, 75.7636**, and the grayscale version is **31.9278, 33.5905, 36.5801**.

A 20% lighter version of the original color is **63.6025, 60.3644, 26.7116**, and **19.0515, 14.8662, 2.5272** is the 20% darker color. If you saturate the color by 10%, you get **38.9662, 30.9673, 6.7745**, and if you desaturate by 10%, it is **44.0703, 38.8488, 15.6487**.

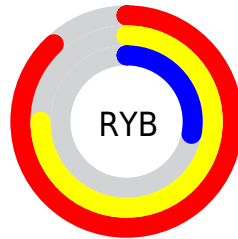
Distribution



Red (88%)

Green (54%)

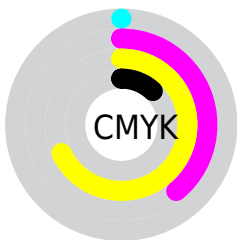
Blue (28%)



Red (88%)

Yellow (75%)

Blue (28%)

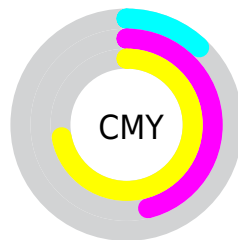


Cyan (0%)

Magenta (39%)

Yellow (68%)

Black (12%)



Cyan (12%)

Magenta (46%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2771, 34.6394, 10.4718 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 41.2771, 34.6394, 10.4718 by changing the saturation by 10% instead.


 41.2771, 34.6394,
10.4718


 41.2771, 34.6394,
10.4718


342.5203,
322.9738, 204.6126


 28.7243, 23.3852,
5.6032


 76.3764, 66.9268,
27.3008

 19.0156, 14.8782,
2.5405


 99.6536, 88.7287,
40.0982


 11.7856, 8.7340,
0.8615


 127.2364,
114.8155, 56.3757

 6.6690, 4.5681,
0.0000

 159.4900,
145.5713, 76.5518

 3.3005, 1.9961,
0.0000

 196.7798,
181.3807, 101.0450

 1.3146, 0.6052,
0.0000

239.4712,

 0.1941, 0.0000,

222.6279, 130.2738

0.0000

287.9296,
269.6975, 164.6569

■ 0.0000, 0.0000,
0.0000

■ 41.2771, 34.6394,
10.4718

■ 41.2771, 34.6394,
10.4718

■ 38.9662, 30.9673,
6.7745

■ 44.0703, 38.8488,
15.6487

■ 37.0966, 27.8001,
4.3882

■ 47.3767, 43.6146,
22.4451

■ 35.6156, 25.1056,
3.0693

■ 51.2272, 48.9614,
30.9863

■ 35.4092, 24.7236,
2.9059

■ 55.6490, 54.9102,
41.3848

■ 60.6675, 61.4809,
53.7436

■ 66.3062, 68.6924,
68.1579

■ 72.5875, 76.5628,
84.7168

■ 79.5322, 85.1092,
103.5040

■ 84.0367, 93.0986,
108.1484

Harmonies

Analogous

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



48.4349, 34.6394, 19.0802



41.2771, 34.6394, 10.4718



32.7533, 34.6394, 8.1913

Triad

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



41.2771, 34.6394, 10.4718



19.5445, 34.6394, 38.2075



41.6219, 34.6394, 91.4226

Complementary

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



41.2771, 34.6394, 10.4718



28.4152, 31.2279, 75.7636

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.



33.0947, 34.6394, 103.2520



41.2771, 34.6394, 10.4718



21.1376, 34.6394, 65.6962

Square

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



41.2771, 34.6394, 10.4718



21.0108, 34.6394, 19.6230



25.7810, 34.6394, 92.3077



48.6561, 34.6394, 64.4778

Rectangle

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



41.2771, 34.6394, 10.4718



27.6791, 34.6394, 9.2802



25.7810, 34.6394, 92.3077



38.7923, 34.6394, 97.7004

Sweetspot

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



41.2779, 34.6412, 10.4724



78.6932, 79.2134, 66.6784



39.4991, 22.9920, 34.8245



16.4426, 16.4311, 13.2809



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.



41.2779, 34.6412, 10.4724



50.6597, 39.3136, 7.4927



56.4209, 64.9273, 15.5201



14.1954, 14.6767, 14.3915



20.5161, 14.4701, 1.7117



1.5099, 1.1787, 0.1479

Inverse Universe

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



28.4152, 31.2279, 75.7636



32.4513, 34.3568, 99.5289



19.1516, 12.7007, 72.6757



13.5913, 14.5217, 17.4743



12.3308, 12.1311, 42.7400



0.9433, 1.0180, 2.9920

Previews

White Background



This preview shows how the XYZ color 41.2771, 34.6394, 10.4718 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 41.2771, 34.6394, 10.4718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

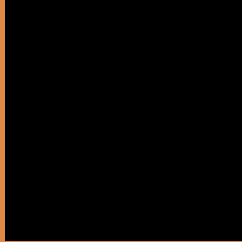
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.2771, 34.6394, 10.4718

Background



This preview shows how black text looks on a background with the XYZ color 41.2771, 34.6394, 10.4718.



This preview shows how white text looks on a background with the XYZ color 41.2771, 34.6394,

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

41.2771, 34.6394, 10.4718

Protanopia

31.8504, 34.9218, 12.2696

Deuteranopia

35.5603, 34.8796, 10.3270



Tritanopia

45.0294, 34.5167, 29.1000

Trichromacy



Original Color

41.2771, 34.6394, 10.4718

Protanomaly

34.7464, 34.4338, 11.4717

Deuteranomaly

37.5203, 34.7070, 10.3518

Tritanomaly

43.4769, 34.5068, 20.5887

Monochromacy



Original Color

41.2771, 34.6394, 10.4718

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.5052, 32.7993, 23.9670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2771, 34.6394, 10.4718 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(225, 138, 71)` looks like.

```
.text, #text, p{  
    color:rgb(225, 138, 71)  
}
```

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(225, 138, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 138, 71) }
```

Border

The CSS property to change the border of an element to XYZ 41.2771, 34.6394, 10.4718 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(225, 138, 71) }
```


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

```
.border{ border-color:rgb(225, 138, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 138, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 138, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 138, 71);  
box-shadow:4px 4px 4px 4px rgb(225, 138,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2771, 34.6394, 10.4718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 138, 71) }
```

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

```
.background{ background-color: rgb(225,  
138, 71) }
```

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