

Converting Colors

XYZ(81.8013, 56.6945, 15.1535)

Have a look what the booklet for
XYZ(81.8013, 56.6945, 15.1535)
contains.

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Color

**XYZ(52.8530, 41.8624,
13.8889)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9055
RGB	255, 144, 85
RGB Percent	100%, 56%, 33%
CMY	0.0000, 0.4353, 0.6667
CMYK	0.00, 0.44, 0.67, 0.00
HSL	21°, 100%, 67%
HSV	21°, 67%, 100%
XYZ	52.8530, 41.8624, 13.8889
YIQ	170.4630, 85.0950, 5.1830

Conversions

Conversions Part 2

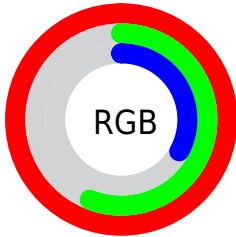
Format	Color
R _Y B	255, 175, 85
Decimal	16748629
CIE Lab	70.78, 37.13, 48.94
CIE LCh	71, 61.427, 52.812
Yxy	41.8624, 0.4867, 0.3855
Android (android.graphics.Color)	4294938709 (0xFFFF9055)
YUV	170.4630, -42.1333, 74.1389
Hunter-Lab	64.7012, 32.5858, 32.5635

Details

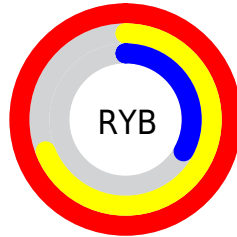
The XYZ color **52.8530, 41.8624, 13.8889** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **41.5349, 48.6284, 101.8044**, and the grayscale version is **38.6151, 40.6261, 44.2418**.

A 20% lighter version of the original color is **66.1788, 63.9130, 32.5154**, and **26.1379, 19.1191, 3.9818** is the 20% darker color. If you saturate the color by 10%, you get **49.6781, 36.8524, 8.7011**, and if you desaturate by 10%, it is **56.7666, 47.7665, 21.1234**.

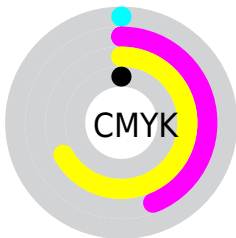
Distribution



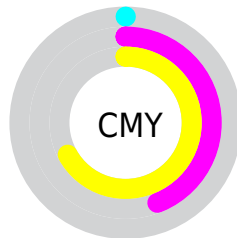
- Red (100%)
- Green (56%)
- Blue (33%)



- Red (100%)
- Yellow (69%)
- Blue (33%)



- Cyan (0%)
- Magenta (44%)
- Yellow (67%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8530, 41.8624, 13.8889 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 52.8530, 41.8624, 13.8889 by changing the saturation by 10% instead.


 52.8530, 41.8624,
13.8889

 52.8530, 41.8624,
13.8889


387.9910,
353.9122, 227.9429


 37.9124, 28.9936,
7.9056

 93.5548, 77.9913,
33.6061

 26.0916, 19.0760,
3.9477


 120.0468,
102.0202, 48.1770


 17.0253, 11.7252,
1.5967


 151.1200,
130.5379, 66.4475

 10.3479, 6.5568,
0.2884

 187.1397,
163.9288, 88.8361

 5.6943, 3.1865,
0.0000

 228.4713,
202.5773, 115.7614

 2.6990, 1.2299,
0.0000

275.4801,

 0.9966, 0.0859,

246.8677, 147.6420

0.0000

328.5316,
297.1846, 184.8963

■ 0.0000, 0.0000,
0.0000

■ 52.8530, 41.8624,
13.8889

■ 52.8530, 41.8624,
13.8889

■ 49.6781, 36.8524,
8.7011

■ 56.7666, 47.7665,
21.1234

■ 47.1814, 32.6810,
5.3348

■ 61.4664, 54.6026,
30.5929


■ 45.2945, 29.2947,
3.5113

■ 66.9988, 62.4141,
42.4665

■ 44.7715, 28.3233,
3.1072

■ 73.4055, 71.2396,
56.8963

■ 80.7250, 81.1151,
74.0216

 88.9937, 92.0751,
93.9718

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



60.7326, 41.8624, 27.0951



52.8530, 41.8624, 13.8889



42.2926, 41.8624, 9.4884

Triad

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



52.8530, 41.8624, 13.8889



23.3365, 41.8624, 38.9108



47.8836, 41.8624, 119.3888

Complementary

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



52.8530, 41.8624, 13.8889



41.5349, 48.6284, 101.8044

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.



37.3861, 41.8624, 127.0529



52.8530, 41.8624, 13.8889



24.3163, 41.8624, 70.9967

Square

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



52.8530, 41.8624, 13.8889



26.1259, 41.8624, 19.3712



29.0773, 41.8624, 106.5317



57.5385, 41.8624, 88.6334

Rectangle

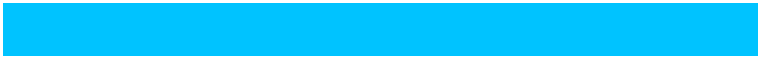
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.8530, 41.8624, 13.8889



35.5983, 41.8624, 9.8284



29.0773, 41.8624, 106.5317



44.2963, 41.8624, 125.1678

Sweetspot

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



52.8540, 41.8646, 13.8897



78.1813, 77.7040, 68.0045



54.7200, 31.8498, 56.8916



16.2923, 16.0361, 13.5214



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.



52.8540, 41.8646, 13.8897



48.7735, 35.3709, 7.3886



70.2575, 76.6717, 19.6908



18.5249, 19.0180, 18.8388



23.5194, 15.0501, 1.6653



2.3875, 1.6603, 0.1946

Inverse Universe

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



41.5349, 48.6284, 101.8044



36.5957, 42.2847, 100.8407



27.7389, 21.0364, 97.2057



17.9930, 19.3577, 23.0380



16.7484, 18.4063, 52.1046



1.7330, 1.9966, 5.1073

Previews

White Background



This preview shows how the XYZ color 52.8530, 41.8624, 13.8889 looks on a white background.

Color Contrast Check

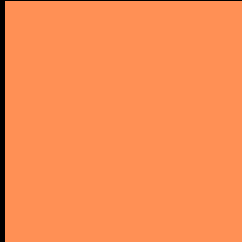
Large Text (above 18pt) WCAG AA × Fail

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 52.8530, 41.8624, 13.8889 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 52.8530, 41.8624, 13.8889

Background



This preview shows how black text looks on a background with the XYZ color 52.8530, 41.8624, 13.8889.



This preview shows how white text looks on a background with the XYZ color 52.8530, 41.8624,

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

52.8530, 41.8624, 13.8889

Protanopia

38.6875, 42.1747, 16.9280

Deuteranopia

42.9274, 41.9365, 13.4215



Tritanopia

55.8179, 41.8634, 33.1555

Trichromacy



Original Color

52.8530, 41.8624, 13.8889

Protanomaly

42.7171, 41.2459, 15.6073

Deuteranomaly

46.2131, 41.5461, 13.5662

Tritanomaly

54.4665, 41.7904, 24.5977

Monochromacy



Original Color

52.8530, 41.8624, 13.8889

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

41.4925, 39.7713, 29.9158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8530, 41.8624, 13.8889 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(255, 144, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 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(255, 144, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 85) }
```

Border

The CSS property to change the border of an element to XYZ 52.8530, 41.8624, 13.8889 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(255, 144, 85) }
```


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

```
.border{ border-color:rgb(255, 144, 85) }
```

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

Here you see how a box with a 4 pixel rgb(255, 144, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8530, 41.8624, 13.8889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 85) }
```

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

```
.background{ background-color: rgb(255,  
144, 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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