

Converting Colors

XYZ(53.7801, 43.1085, 13.9463)

Have a look what the booklet for
XYZ(53.7801, 43.1085, 13.9463)
contains.

XYZ(53.2740, 42.7675, 13.8346)	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(53.2740, 42.7675,
13.8346)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9354
RGB	255, 147, 84
RGB Percent	100%, 58%, 33%
CMY	0.0000, 0.4235, 0.6706
CMYK	0.00, 0.42, 0.67, 0.00
HSL	22°, 100%, 66%
HSV	22°, 67%, 100%
XYZ	53.2740, 42.7675, 13.8346
YIQ	172.1100, 84.5910, 3.3030

Conversions

Conversions Part 2

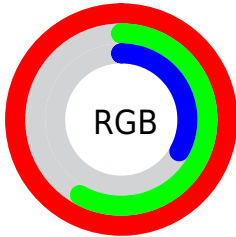
Format	Color
RYB	255, 184, 84
Decimal	16749396
CIELab	71.40, 35.54, 50.14
CIELCh	71, 61.457, 54.669
Yxy	42.7675, 0.4849, 0.3892
Android (android.graphics.Color)	4294939476 (0xFFFF9354)
YUV	172.1100, -43.4382, 72.6945
Hunter-Lab	65.3969, 30.9663, 33.2351

Details

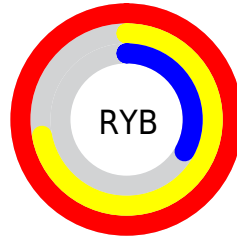
The XYZ color **53.2740, 42.7675, 13.8346** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **40.5546, 46.8016, 101.5035**, and the grayscale version is **39.4526, 41.5072, 45.2013**.

A 20% lighter version of the original color is **66.8045, 65.2786, 32.3716**, and **26.3733, 19.6374, 3.9137** is the 20% darker color. If you saturate the color by 10%, you get **50.1197, 37.7771, 8.7204**, and if you desaturate by 10%, it is **57.1443, 48.6089, 20.9807**.

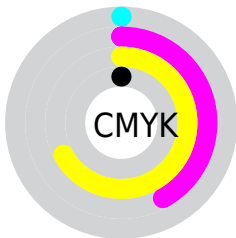
Distribution



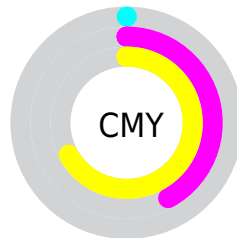
- Red (100%)
- Green (58%)
- Blue (33%)



- Red (100%)
- Yellow (72%)
- Blue (33%)



- Cyan (0%)
- Magenta (42%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (42%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2740, 42.7675, 13.8346 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 53.2740, 42.7675, 13.8346 by changing the saturation by 10% instead.

53.2740, 42.7675,
13.8346

53.2740, 42.7675,
13.8346

389.5791,
357.6547, 227.5920

38.2499, 29.7027,
7.8683

94.1706, 79.3599,
33.5082

26.3548, 19.6131,
3.9242

120.7738,
103.6563, 48.0525

17.2233, 12.1141,
1.5839

151.9674,
132.4654, 66.2932

10.4901, 6.8214,
0.2793

188.1168,
166.1716, 88.6489

5.7899, 3.3507,
0.0000

229.5873,
205.1592, 115.5381

2.7572, 1.3174,
0.0000

276.7443,

1.0267, 0.1546,

249.8126, 147.3793

0.0000

329.9531,
300.5164, 184.5911

■ 0.0000, 0.0000,
0.0000

■ 53.2740, 42.7675,
13.8346

■ 53.2740, 42.7675,
13.8346

■ 50.1197, 37.7771,
8.7204

■ 57.1443, 48.6089,
20.9807

■ 47.6222, 33.5853,
5.4116

■ 61.7765, 55.3360,
30.3473


■ 45.7139, 30.1422,
3.6241

■ 67.2159, 62.9894,
42.1038

■ 45.2387, 29.2576,
3.2629

■ 73.5028, 71.6049,
56.4024

■ 80.6746, 81.2161,
73.3825

 88.7665, 91.8552,
93.1733

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.



61.5410, 42.7675, 26.6043



53.2740, 42.7675, 13.8346



42.5259, 42.7675, 9.7552

Triad

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



53.2740, 42.7675, 13.8346



23.8840, 42.7675, 41.4707



49.5309, 42.7675, 119.9047

Complementary

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



53.2740, 42.7675, 13.8346



40.5546, 46.8016, 101.5035

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.



38.8286, 42.7675, 129.4532



53.2740, 42.7675, 13.8346



25.1180, 42.7675, 74.6249

Square

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



53.2740, 42.7675, 13.8346



26.4830, 42.7675, 20.7772



30.1954, 42.7675, 110.2317



59.1358, 42.7675, 87.8992

Rectangle

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



53.2740, 42.7675, 13.8346



35.8165, 42.7675, 10.3344



30.1954, 42.7675, 110.2317



45.8982, 42.7675, 126.2949

Sweetspot

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



53.2750, 42.7697, 13.8354



78.4710, 78.2836, 68.1011



53.9581, 31.4200, 53.2646



16.3611, 16.1738, 13.5444



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.



53.2750, 42.7697, 13.8354



49.3196, 36.4631, 7.5706



71.7530, 79.7258, 19.9947



18.5574, 19.0831, 18.8497



23.7683, 15.5479, 1.7483



2.4143, 1.7140, 0.2036

Inverse Universe

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



40.5546, 46.8016, 101.5035



35.7031, 40.4996, 100.5432



26.9433, 19.5789, 96.9664



17.9593, 19.2902, 23.0268



16.2425, 17.3945, 51.9360



1.6859, 1.9026, 5.0916

Previews

White Background



This preview shows how the XYZ color 53.2740, 42.7675, 13.8346 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 53.2740, 42.7675, 13.8346 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 53.2740, 42.7675, 13.8346

Background



This preview shows how black text looks on a background with the XYZ color 53.2740, 42.7675, 13.8346.



This preview shows how white text looks on a background with the XYZ color 53.2740, 42.7675,

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

53.2740, 42.7675, 13.8346

Protanopia

39.2981, 42.7877, 16.5435

Deuteranopia

43.8453, 42.9537, 13.3771



Tritanopia

56.4989, 42.8404, 34.5694

Trichromacy



Original Color

53.2740, 42.7675, 13.8346

Protanomaly

43.6195, 42.2474, 15.5284

Deuteranomaly

47.0110, 42.7246, 13.5535

Tritanomaly

55.0440, 42.7388, 25.4270

Monochromacy



Original Color

53.2740, 42.7675, 13.8346

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

42.1879, 40.6444, 30.4326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2740, 42.7675, 13.8346 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, 147, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 84)  
}
```

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, 147, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 84) }
```

Border

The CSS property to change the border of an element to XYZ 53.2740, 42.7675, 13.8346 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, 147, 84) }
```


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

```
.border{ border-color:rgb(255, 147, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 147, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2740, 42.7675, 13.8346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 84) }
```

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

```
.background{ background-color: rgb(255,  
147, 84) }
```

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