

Converting Colors

XYZ(52.6482, 40.2392, 17.5624)

Have a look what the booklet for
XYZ(52.6482, 40.2392, 17.5624)
contains.

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Color

**XYZ(52.5839, 40.1106,
17.5410)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8966
RGB	255, 137, 102
RGB Percent	100%, 54%, 40%
CMY	0.0000, 0.4627, 0.6000
CMYK	0.00, 0.46, 0.60, 0.00
HSL	14°, 100%, 70%
HSV	14°, 60%, 100%
XYZ	52.5839, 40.1106, 17.5410
YIQ	168.2920, 81.5630, 14.1310

Conversions

Conversions Part 2

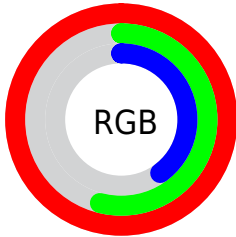
Format	Color
R_{YB}	255, 147, 102
Decimal	16746854
CIE _{Lab}	69.55, 41.72, 38.67
CIE _{LCh}	70, 56.888, 42.828
Yxy	40.1106, 0.4770, 0.3639
Android (android.graphics.Color)	4294936934 (0xFFFF8966)
YUV	168.2920, -32.6820, 76.0429
Hunter-Lab	63.3329, 37.3719, 27.9118

Details

The XYZ color **52.5839, 40.1106, 17.5410** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.1209, 61.2276, 103.8364**, and the grayscale version is **37.4916, 39.4441, 42.9547**.

A 20% lighter version of the original color is **65.9224, 61.2924, 38.9280**, and **25.8285, 17.9444, 5.5923** is the 20% darker color. If you saturate the color by 10%, you get **48.9630, 34.5911, 11.0254**, and if you desaturate by 10%, it is **57.1050, 46.8088, 26.2756**.

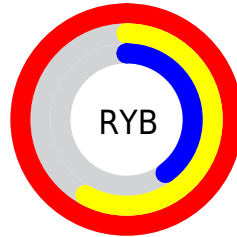
Distribution



Red (100%)

Green (54%)

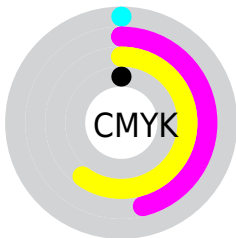
Blue (40%)



Red (100%)

Yellow (58%)

Blue (40%)

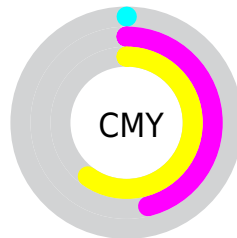


Cyan (0%)

Magenta (46%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5839, 40.1106, 17.5410 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 52.5839, 40.1106, 17.5410 by changing the saturation by 10% instead.


 52.5839, 40.1106,
17.5410


 52.5839, 40.1106,
17.5410


386.9737,
346.5895, 250.4196


 37.6968, 27.6248,
10.4549

 93.1609, 75.3319,
40.0569


 25.9236, 18.0430,
5.5921


 119.5816, 98.8362,
56.3239

 16.8989, 10.9809,
2.5339


 150.5776,
126.7821, 76.4883

 10.2573, 6.0540,
0.8581

 186.5142,
159.5540, 100.9685

 5.6335, 2.8779,
0.0000

227.7567,
197.5363, 130.1833

 2.6620, 1.0683,
0.0000

274.6706,

 0.9777, 0.0000,

241.1134, 164.5510

0.0000

327.6211,
290.6696, 204.4903

■ 0.0000, 0.0000,
0.0000

■ 52.5839, 40.1106,
17.5410

■ 52.5839, 40.1106,
17.5410

■ 48.9630, 34.5911,
11.0254

■ 57.1050, 46.8088,
26.2756

■ 46.1748, 30.1739,
6.5226

■ 62.5815, 54.7435,
37.4057

■ 44.1459, 26.7826,
3.7911

■ 69.0669, 63.9761,
51.0922

■ 42.7703, 24.3210,
2.4402

■ 76.6103, 74.5622,
67.4816

■ 42.7702, 24.3208,
2.4401

■ 85.2571, 86.5538,
86.7091

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.



58.0459, 40.1106, 33.3875



52.5839, 40.1106, 17.5410



43.5743, 40.1106, 10.9990

Triad

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



52.5839, 40.1106, 17.5410



23.6286, 40.1106, 30.3885



42.1772, 40.1106, 113.7973

Complementary

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



52.5839, 40.1106, 17.5410



49.1209, 61.2276, 103.8364

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.



33.1481, 40.1106, 111.9303



52.5839, 40.1106, 17.5410



23.3778, 40.1106, 55.8813

Square

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



52.5839, 40.1106, 17.5410



27.3431, 40.1106, 16.1074



26.5923, 40.1106, 87.8198



51.4207, 40.1106, 92.2061

Rectangle

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



52.5839, 40.1106, 17.5410



37.2600, 40.1106, 10.1481



26.5923, 40.1106, 87.8198



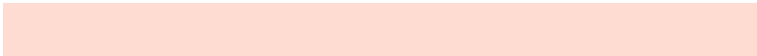
39.0011, 40.1106, 116.0841

Sweetspot

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



52.5849, 40.1127, 17.5417



78.2499, 76.8461, 71.0951



59.1560, 36.0288, 72.8381



16.2412, 15.7409, 14.0998



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.



52.5849, 40.1127, 17.5417



48.3410, 33.6216, 9.9705



67.0942, 69.1313, 22.3782



18.3465, 18.6612, 18.7793



22.4405, 12.8922, 1.3057



2.2632, 1.4117, 0.1532

Inverse Universe

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



49.1209, 61.2276, 103.8364



44.4702, 56.1592, 103.1037



33.7086, 30.4030, 98.6989



18.1817, 19.7351, 23.1009



19.9418, 24.7932, 53.1691



2.0235, 2.5777, 5.2042

Previews

White Background



This preview shows how the XYZ color 52.5839, 40.1106, 17.5410 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 52.5839, 40.1106, 17.5410 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 52.5839, 40.1106, 17.5410

Background



This preview shows how black text looks on a background with the XYZ color 52.5839, 40.1106, 17.5410.



This preview shows how white text looks on a background with the XYZ color 52.5839, 40.1106,

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

52.5839, 40.1106, 17.5410

Protanopia

37.2364, 40.1776, 22.0121

Deuteranopia

41.0904, 40.1136, 16.8863



Tritanopia

54.5100, 39.9881, 30.4367

Trichromacy



Original Color

52.5839, 40.1106, 17.5410

Protanomaly

41.6197, 39.2811, 20.1403

Deuteranomaly

44.6947, 39.6909, 17.1098

Tritanomaly

53.5959, 39.8425, 24.9442

Monochromacy



Original Color

52.5839, 40.1106, 17.5410

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

40.9104, 38.4069, 31.6426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5839, 40.1106, 17.5410 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, 137, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 102)  
}
```

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, 137, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 102) }
```

Border

The CSS property to change the border of an element to XYZ 52.5839, 40.1106, 17.5410 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, 137, 102) }
```


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

```
.border{ border-color:rgb(255, 137, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 137, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5839, 40.1106, 17.5410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 102) }
```

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

```
.background{ background-color: rgb(255,  
137, 102) }
```

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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