

Converting Colors

XYZ(52.1625, 40.6924, 13.0082)

Have a look what the booklet for
XYZ(52.1625, 40.6924, 13.0082)
contains.

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Color

**XYZ(52.1411, 40.6254,
13.0760)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8C52
RGB	255, 140, 82
RGB Percent	100%, 55%, 32%
CMY	0.0000, 0.4509, 0.6784
CMYK	0.00, 0.45, 0.68, 0.00
HSL	20°, 100%, 66%
HSV	20°, 68%, 100%
XYZ	52.1411, 40.6254, 13.0760
YIQ	167.7730, 87.1580, 6.3420

Conversions

Conversions Part 2

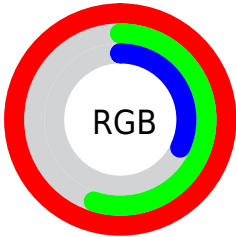
Format	Color
R_{YB}	255, 169, 82
Decimal	16747602
CIE _{Lab}	69.91, 39.00, 49.45
CIE _{LCh}	70, 62.977, 51.742
Yxy	40.6254, 0.4926, 0.3838
Android (android.graphics.Color)	4294937682 (0xFFFF8C52)
YUV	167.7730, -42.2861, 76.4981
Hunter-Lab	63.7381, 34.4808, 32.4532

Details

The XYZ color **52.1411, 40.6254, 13.0760** 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 **41.4945, 48.9433, 101.8672**, and the grayscale version is **37.2801, 39.2216, 42.7123**.

A 20% lighter version of the original color is **64.9887, 61.9837, 30.7291**, and **25.7566, 18.4267, 3.6380** is the 20% darker color. If you saturate the color by 10%, you get **49.0561, 35.7306, 8.1172**, and if you desaturate by 10%, it is **55.9699, 46.4316, 20.0610**.

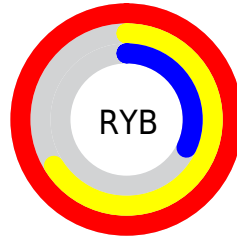
Distribution



Red (100%)

Green (55%)

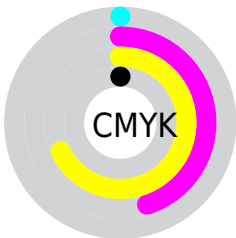
Blue (32%)



Red (100%)

Yellow (66%)

Blue (32%)

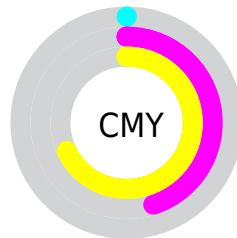


Cyan (0%)

Magenta (45%)

Yellow (68%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1411, 40.6254, 13.0760 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 52.1411, 40.6254, 13.0760 by changing the saturation by 10% instead.


 52.1411, 40.6254,
13.0760


 52.1411, 40.6254,
13.0760


385.2961,
348.7525, 222.6291

 37.3423, 28.0265,
7.3496


 92.5123, 76.1149,
32.1334

 25.6475, 18.3456,
3.5999


 118.8154, 99.7743,
46.3015


 16.6914, 11.1984,
1.4085


 149.6839,
127.8893, 64.1206

 10.1087, 6.2005,
0.1484

 185.4833,
160.8444, 86.0091

 5.5339, 2.9674,
0.0000

 226.5788,
199.0238, 112.3857

 2.6017, 1.1147,
0.0000

273.3359,

 0.9468, 0.0000,

242.8121, 143.6688

0.0000

326.1199,
292.5935, 180.2771

■ 0.0000, 0.0000,
0.0000

■ 52.1411, 40.6254,
13.0760

■ 52.1411, 40.6254,
13.0760

■ 49.0561, 35.7306,
8.1172

■ 55.9699, 46.4316,
20.0610

■ 46.6523, 31.6892,
4.9542

■ 60.5917, 53.1897,
29.2640

■ 44.8555, 28.4431,
3.2839

■ 66.0543, 60.9452,
40.8568

■ 44.5278, 27.8361,
3.0260

■ 72.4005, 69.7384,
54.9932

■ 79.6701, 79.6073,
71.8143

87.9003, 90.5879,
91.4507

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



59.9546, 40.6254, 26.4532



52.1411, 40.6254, 13.0760



41.5123, 40.6254, 8.5971

Triad

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



52.1411, 40.6254, 13.0760



22.2145, 40.6254, 36.6157



46.3802, 40.6254, 120.0601

Complementary

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



52.1411, 40.6254, 13.0760



41.4945, 48.9433, 101.8672

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.



35.8524, 40.6254, 126.8562



52.1411, 40.6254, 13.0760



23.0529, 40.6254, 68.5983

Square

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



52.1411, 40.6254, 13.0760



25.1178, 40.6254, 17.6891



27.6544, 40.6254, 104.9731



56.2401, 40.6254, 89.1730

Rectangle

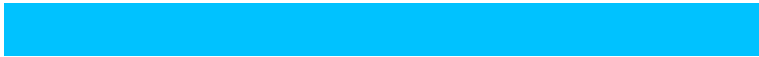
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.1411, 40.6254, 13.0760



34.7412, 40.6254, 8.7986



27.6544, 40.6254, 104.9731



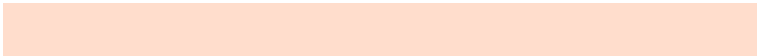
42.7628, 40.6254, 125.6574

Sweetspot

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



52.1420, 40.6276, 13.0767



78.0220, 77.3855, 67.9514



54.3735, 31.3413, 56.2076



16.2545, 15.9605, 13.5088



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.



52.1420, 40.6276, 13.0767



48.2267, 34.3649, 6.9365



70.0044, 76.3524, 19.0309



18.5070, 18.9822, 18.8328



23.3893, 14.7898, 1.6220



2.3732, 1.6319, 0.1899

Inverse Universe

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



41.4945, 48.9433, 101.8672



36.7952, 42.8694, 100.9430



27.1961, 20.3467, 97.1011



18.0117, 19.3951, 23.0443



17.0369, 18.9834, 52.2008



1.7596, 2.0500, 5.1162

Previews

White Background



This preview shows how the XYZ color 52.1411, 40.6254, 13.0760 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 52.1411, 40.6254, 13.0760 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 52.1411, 40.6254, 13.0760

Background



This preview shows how black text looks on a background with the XYZ color 52.1411, 40.6254, 13.0760.



This preview shows how white text looks on a background with the XYZ color 52.1411, 40.6254,

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

52.1411, 40.6254, 13.0760

Protanopia

37.4809, 40.7173, 16.0090

Deuteranopia

41.5881, 40.7273, 12.6904



Tritanopia

54.9380, 40.6016, 31.3269

Trichromacy



Original Color

52.1411, 40.6254, 13.0760

Protanomaly

41.7728, 39.9923, 14.7501

Deuteranomaly

45.1275, 40.5012, 12.8362

Tritanomaly

53.6369, 40.5318, 23.0856

Monochromacy



Original Color

52.1411, 40.6254, 13.0760

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

40.5616, 38.5392, 28.9679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1411, 40.6254, 13.0760 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, 140, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 82)  
}
```

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, 140, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 82) }
```

Border

The CSS property to change the border of an element to XYZ 52.1411, 40.6254, 13.0760 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, 140, 82) }
```


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

```
.border{ border-color:rgb(255, 140, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1411, 40.6254, 13.0760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 82) }
```

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

```
.background{ background-color: rgb(255,  
140, 82) }
```

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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