

Converting Colors

XYZ(52.7403, 41.2458, 12.6706)

Have a look what the booklet for
XYZ(52.7403, 41.2458, 12.6706)
contains.

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Color

**XYZ(52.1762, 40.8743,
12.5367)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8D4F
RGB	255, 141, 79
RGB Percent	100%, 55%, 31%
CMY	0.0000, 0.4470, 0.6902
CMYK	0.00, 0.45, 0.69, 0.00
HSL	21°, 100%, 65%
HSV	21°, 69%, 100%
XYZ	52.1762, 40.8743, 12.5367
YIQ	168.0180, 87.8460, 4.8860

Conversions

Conversions Part 2

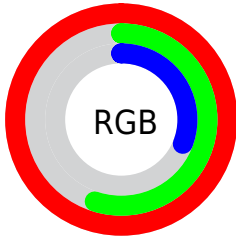
Format	Color
R_{YB}	255, 175, 79
Decimal	16747855
CIE _{Lab}	70.09, 38.33, 51.13
CIE _{LCh}	70, 63.903, 53.141
Yxy	40.8743, 0.4942, 0.3871
Android (android.graphics.Color)	4294937935 (0xFFFF8D4F)
YUV	168.0180, -43.8859, 76.2832
Hunter-Lab	63.9330, 33.7924, 33.1269

Details

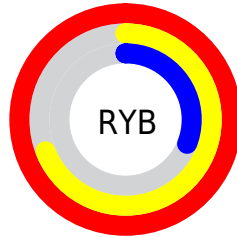
The XYZ color **52.1762, 40.8743, 12.5367** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **40.3431, 47.0194, 101.5565**, and the grayscale version is **37.4080, 39.3561, 42.8588**.

A 20% lighter version of the original color is **65.0092, 62.3516, 29.7278**, and **25.7865, 18.5709, 3.3878** is the 20% darker color. If you saturate the color by 10%, you get **49.1634, 36.0604, 7.7982**, and if you desaturate by 10%, it is **55.9098, 46.5612, 19.2712**.

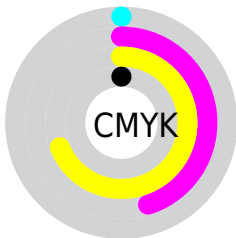
Distribution



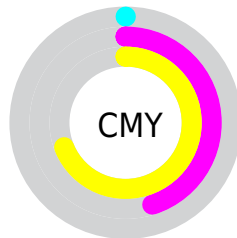
- Red (100%)
- Green (55%)
- Blue (31%)



- Red (100%)
- Yellow (69%)
- Blue (31%)



- Cyan (0%)
- Magenta (45%)
- Yellow (69%)
- Black (0%)





- Cyan (0%)
- Magenta (45%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1762, 40.8743, 12.5367 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 52.1762, 40.8743, 12.5367 by changing the saturation by 10% instead.


 52.1762, 40.8743,
12.5367


 52.1762, 40.8743,
12.5367


385.4293,
349.7950, 219.0292

 37.3704, 28.2209,
6.9833


 92.5637, 76.4930,
31.1478


 25.6694, 18.4922,
3.3734


 118.8762,
100.2271, 45.0426


 16.7078, 11.3040,
1.2883


 149.7548,
128.4236, 62.5550

 10.1204, 6.2717,
0.0522

 185.5651,
161.4668, 84.1034

 5.5418, 3.0110,
0.0000

 226.6723,
199.7412, 110.1066

 2.6065, 1.1375,
0.0000

273.4418,

 0.9493, 0.0097,

243.6310, 140.9829

0.0000

326.2390,
293.5208, 177.1509

■ 0.0000, 0.0000,
0.0000

■ 52.1762, 40.8743,
12.5367

■ 52.1762, 40.8743,
12.5367

■ 49.1634, 36.0604,
7.7982

■ 55.9098, 46.5612,
19.2712

■ 46.8094, 32.0637,
4.8205

■ 60.4129, 53.1591,
28.1964


■ 45.0340, 28.8264,
3.2623

■ 65.7325, 60.7115,
39.4858

■ 44.8824, 28.5451,
3.1442

■ 71.9107, 69.2566,
53.2948

■ 78.9864, 78.8306,
69.7654

 86.9962, 89.4676,
89.0289

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.



60.3832, 40.8743, 25.5217



52.1762, 40.8743, 12.5367



41.2966, 40.8743, 8.3532

Triad

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



52.1762, 40.8743, 12.5367



22.1352, 40.8743, 37.9868



47.2834, 40.8743, 121.0504

Complementary

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



52.1762, 40.8743, 12.5367



40.3431, 47.0194, 101.5565

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.



36.5016, 40.8743, 129.4473



52.1762, 40.8743, 12.5367



23.1618, 40.8743, 71.1328

Square

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



52.1762, 40.8743, 12.5367



24.9017, 40.8743, 18.1624



28.0109, 40.8743, 108.1599



57.2234, 40.8743, 88.6579

Rectangle

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



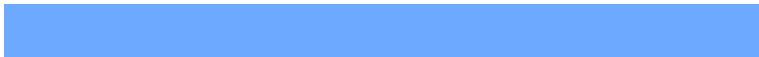
52.1762, 40.8743, 12.5367



34.4631, 40.8743, 8.7169



28.0109, 40.8743, 108.1599



43.5938, 40.8743, 127.2315

Sweetspot

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



52.1771, 40.8765, 12.5374



77.5119, 76.8508, 66.2847



53.7063, 30.7203, 53.7855



16.1637, 15.8733, 13.1880



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.



52.1771, 40.8765, 12.5374



48.1511, 34.3742, 6.4164



70.5598, 77.6418, 18.6650



18.5329, 19.0339, 18.8415



23.5786, 15.1684, 1.6851



2.3939, 1.6732, 0.1968

Inverse Universe

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



40.3431, 47.0194, 101.5565



35.4699, 40.5590, 100.5669



26.3671, 19.0675, 96.8979



17.9848, 19.3412, 23.0353



16.6230, 18.1555, 52.0628



1.7213, 1.9733, 5.1034

Previews

White Background



This preview shows how the XYZ color 52.1762, 40.8743, 12.5367 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 52.1762, 40.8743, 12.5367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

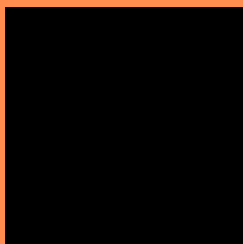
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.1762, 40.8743, 12.5367

Background



This preview shows how black text looks on a background with the XYZ color 52.1762, 40.8743, 12.5367.



This preview shows how white text looks on a background with the XYZ color 52.1762, 40.8743,

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

52.1762, 40.8743, 12.5367

Protanopia

37.7909, 41.1735, 15.4067

Deuteranopia

41.7738, 40.8349, 12.1588



Tritanopia

55.1550, 40.9127, 31.7780

Trichromacy



Original Color

52.1762, 40.8743, 12.5367

Protanomaly

42.1161, 40.4418, 14.1806

Deuteranomaly

45.0208, 40.4585, 12.2739

Tritanomaly

53.7797, 40.8174, 23.1332

Monochromacy



Original Color

52.1762, 40.8743, 12.5367

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

40.4902, 38.5107, 28.5918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1762, 40.8743, 12.5367 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, 141, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 79)  
}
```

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, 141, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 79) }
```

Border

The CSS property to change the border of an element to XYZ 52.1762, 40.8743, 12.5367 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, 141, 79) }
```


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

```
.border{ border-color:rgb(255, 141, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 141, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1762, 40.8743, 12.5367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 79) }
```

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

```
.background{ background-color: rgb(255,  
141, 79) }
```

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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