

Converting Colors

XYZ(52.0224, 41.4487, 9.7665)

Have a look what the booklet for
XYZ(52.0224, 41.4487, 9.7665)
contains.

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Color

**XYZ(52.0828, 41.5543,
9.8332)**

Conversions

Conversions Part 1

Format	Color
Hex	FF903E
RGB	255, 144, 62
RGB Percent	100%, 56%, 24%
CMY	0.0000, 0.4353, 0.7569
CMYK	0.00, 0.44, 0.76, 0.00
HSL	25°, 100%, 62%
HSV	25°, 76%, 100%
XYZ	52.0828, 41.5543, 9.8332
YIQ	167.8410, 92.4780, -1.9700

Conversions

Conversions Part 2

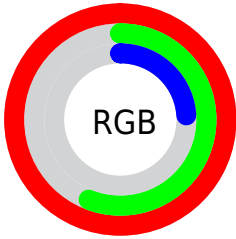
Format	Color
R_{YB}	255, 205, 62
Decimal	16748606
CIE _{Lab}	70.56, 36.04, 59.51
CIE _{LCh}	71, 69.577, 58.802
Yxy	41.5543, 0.5034, 0.4016
Android (android.graphics.Color)	4294938686 (0xFFFF903E)
YUV	167.8410, -52.1796, 76.4384
Hunter-Lab	64.4626, 31.4101, 36.0797

Details

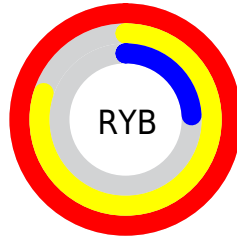
The XYZ color **52.0828, 41.5543, 9.8332** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **34.9792, 38.1293, 100.1233**, and the grayscale version is **37.3588, 39.3043, 42.8024**.

A 20% lighter version of the original color is **64.7007, 63.3218, 24.7318**, and **25.5654, 18.8608, 2.2930** is the 20% darker color. If you saturate the color by 10%, you get **49.4614, 37.1813, 6.2794**, and if you desaturate by 10%, it is **55.3226, 46.6400, 15.2115**.

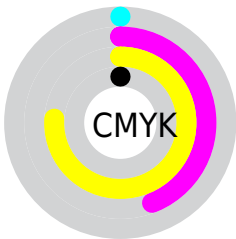
Distribution



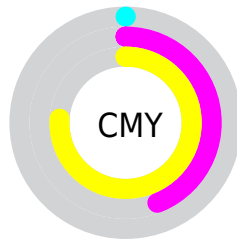
- Red (100%)
- Green (56%)
- Blue (24%)



- Red (100%)
- Yellow (80%)
- Blue (24%)



- Cyan (0%)
- Magenta (44%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0828, 41.5543, 9.8332 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 52.0828, 41.5543, 9.8332 by changing the saturation by 10% instead.


 52.0828, 41.5543,
9.8332


 52.0828, 41.5543,
9.8332


385.0749,
352.6320, 199.9188

 37.2956, 28.7525,
5.1843


 92.4268, 77.5246,
26.0842

 25.6112, 18.8936,
2.2952


 118.7144,
101.4619, 38.5234


 16.6641, 11.5934,
0.7285

 149.5662,
129.8798, 54.3965

 10.0891, 6.4675,
0.0000

 185.3474,
163.1627, 74.1220

 5.5208, 3.1314,
0.0000

 226.4236,
201.6949, 98.1184

 2.5938, 1.2007,
0.0000

273.1600,

 0.9428, 0.0623,

245.8610, 126.8043

0.0000

325.9220,
296.0452, 160.5983

■ 0.0000, 0.0000,
0.0000

■ 52.0828, 41.5543,
9.8332

■ 52.0828, 41.5543,
9.8332

■ 49.4614, 37.1813,
6.2794

■ 55.3226, 46.6400,
15.2115

■ 47.3942, 33.4721,
4.2795

■ 59.2289, 52.4689,
22.6294

■ 46.6393, 32.0589,
3.7298

■ 63.8474, 59.0769,
32.2739

■ 69.2183, 66.4952,
44.3099

■ 75.3783, 74.7531,
58.8866

82.3617, 83.8780,
76.1408

90.2003, 93.8962,
96.1997

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.



62.1944, 41.5543, 21.0936



52.0828, 41.5543, 9.8332



39.9601, 41.5543, 6.8862

Triad

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



52.0828, 41.5543, 9.8332



21.2681, 41.5543, 43.9349



51.1262, 41.5543, 126.4349

Complementary

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



52.0828, 41.5543, 9.8332



34.9792, 38.1293, 100.1233

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.



39.0358, 41.5543, 142.5801



52.0828, 41.5543, 9.8332



23.1257, 41.5543, 83.0922

Square

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



52.0828, 41.5543, 9.8332



23.4506, 41.5543, 19.7451



29.1206, 41.5543, 123.8273



61.5710, 41.5543, 86.5776

Rectangle

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



52.0828, 41.5543, 9.8332



32.7944, 41.5543, 7.8899



29.1206, 41.5543, 123.8273



47.0538, 41.5543, 135.4737

Sweetspot

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



52.0837, 41.5565, 9.8339



77.1716, 77.1173, 63.2514



50.6596, 27.7843, 43.0365



16.0046, 15.8287, 12.2911



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.



52.0837, 41.5565, 9.8339



48.2984, 35.1301, 5.0432



72.9513, 83.2917, 16.7898



18.6438, 19.2558, 18.8784



24.5108, 17.0328, 1.9958



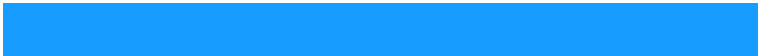
2.4921, 1.8695, 0.2295

Inverse Universe

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



34.9792, 38.1293, 100.1233



30.3582, 31.3135, 99.0518



22.7672, 13.7052, 96.0526



17.8705, 19.1126, 22.9972



15.0061, 14.9218, 51.5239



1.5694, 1.6696, 5.0528

Previews

White Background



This preview shows how the XYZ color 52.0828, 41.5543, 9.8332 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 52.0828, 41.5543, 9.8332 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 52.0828, 41.5543, 9.8332

Background



This preview shows how black text looks on a background with the XYZ color 52.0828, 41.5543, 9.8332.



This preview shows how white text looks on a background with the XYZ color 52.0828, 41.5543,

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

52.0828, 41.5543, 9.8332

Protanopia

38.0414, 41.6668, 11.8319

Deuteranopia

42.6045, 41.5882, 9.5232



Tritanopia

55.5949, 41.5435, 32.6923

Trichromacy



Original Color

52.0828, 41.5543, 9.8332

Protanomaly

42.2524, 40.8448, 10.9671

Deuteranomaly

45.7757, 41.4084, 9.5830

Tritanomaly

53.7705, 41.2771, 21.6563

Monochromacy



Original Color

52.0828, 41.5543, 9.8332

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

40.1800, 38.6606, 26.1134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0828, 41.5543, 9.8332 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 62) }
```

Border

The CSS property to change the border of an element to XYZ 52.0828, 41.5543, 9.8332 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, 62) }
```


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

```
.border{ border-color:rgb(255, 144, 62) }
```

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, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0828, 41.5543, 9.8332 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, 62) }
```

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

```
.background{ background-color: rgb(255,  
144, 62) }
```

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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