

Converting Colors

XYZ(52.1330, 41.6203, 9.9563)

Have a look what the booklet for
XYZ(52.1330, 41.6203, 9.9563)
contains.

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Color

**XYZ(52.1105, 41.5654,
9.9790)**

Conversions

Conversions Part 1

Format	Color
Hex	FF903F
RGB	255, 144, 63
RGB Percent	100%, 56%, 25%
CMY	0.0000, 0.4353, 0.7529
CMYK	0.00, 0.44, 0.75, 0.00
HSL	25°, 100%, 62%
HSV	25°, 75%, 100%
XYZ	52.1105, 41.5654, 9.9790
YIQ	167.9550, 92.1570, -1.6590

Conversions

Conversions Part 2

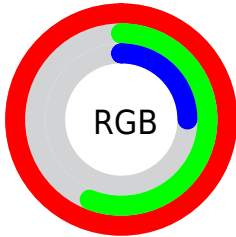
Format	Color
R _Y B	255, 203, 63
Decimal	16748607
CIE Lab	70.57, 36.08, 59.09
CIE LCh	71, 69.232, 58.590
Yxy	41.5654, 0.5027, 0.4010
Android (android.graphics.Color)	4294938687 (0xFFFF903F)
YUV	167.9550, -51.7428, 76.3385
Hunter-Lab	64.4712, 31.4525, 35.9528

Details

The XYZ color **52.1105, 41.5654, 9.9790** 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 **35.2349, 38.5466, 100.1904**, and the grayscale version is **37.4129, 39.3613, 42.8644**.

A 20% lighter version of the original color is **64.7579, 63.3447, 25.0333**, and **25.5763, 18.8651, 2.3507** is the 20% darker color. If you saturate the color by 10%, you get **49.4670, 37.1674, 6.3587**, and if you desaturate by 10%, it is **55.3771, 46.6828, 15.4340**.

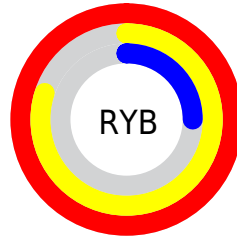
Distribution



Red (100%)

Green (56%)

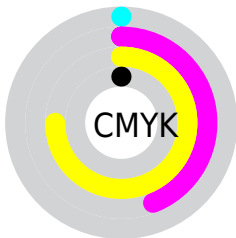
Blue (25%)



Red (100%)

Yellow (80%)

Blue (25%)

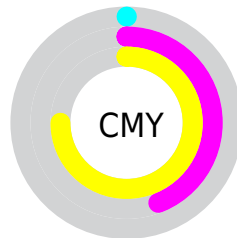


Cyan (0%)

Magenta (44%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1105, 41.5654, 9.9790 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 52.1105, 41.5654, 9.9790 by changing the saturation by 10% instead.


 52.1105, 41.5654,
9.9790


 52.1105, 41.5654,
9.9790


385.1800,
352.6782, 201.0015

 37.3178, 28.7611,
5.2796


 92.4674, 77.5415,
26.3632

 25.6284, 18.9002,
2.3506


 118.7624,
101.4820, 38.8851

 16.6771, 11.5982,
0.7594

 149.6221,
129.9035, 54.8515

 10.0984, 6.4707,
0.0000

 185.4120,
163.1903, 74.6811

 5.5270, 3.1334,
0.0000

 226.4974,
201.7267, 98.7924

 2.5976, 1.2017,
0.0000

273.2436,

 0.9447, 0.0631,

245.8973, 127.6038

0.0000

326.0160,
296.0863, 161.5340

■ 0.0000, 0.0000,
0.0000

■ 52.1105, 41.5654,
9.9790

■ 52.1105, 41.5654,
9.9790

■ 49.4670, 37.1674,
6.3587

■ 55.3771, 46.6828,
15.4340

■ 47.3828, 33.4398,
4.3051


■ 59.3149, 52.5503,
22.9372


■ 46.5588, 31.8980,
3.7030

■ 63.9695, 59.2041,
32.6749

■ 69.3810, 66.6756,
44.8112

■ 75.5863, 74.9942,
59.4949

 82.6196, 84.1877,
76.8624

 90.5130, 94.2826,
97.0405

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.



62.1314, 41.5654, 21.3151



52.1105, 41.5654, 9.9790



40.0501, 41.5654, 6.9810

Triad

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



52.1105, 41.5654, 9.9790



21.3490, 41.5654, 43.7259



50.9916, 41.5654, 126.1344

Complementary

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



52.1105, 41.5654, 9.9790



35.2349, 38.5466, 100.1904

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.



38.9681, 41.5654, 141.9209



52.1105, 41.5654, 9.9790



23.1731, 41.5654, 82.5790

Square

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



52.1105, 41.5654, 9.9790



23.5542, 41.5654, 19.7315



29.1190, 41.5654, 123.0907



61.4026, 41.5654, 86.6514

Rectangle

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



52.1105, 41.5654, 9.9790



32.9029, 41.5654, 7.9635



29.1190, 41.5654, 123.0907



46.9397, 41.5654, 135.0363

Sweetspot

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



52.1114, 41.5676, 9.9797



77.1252, 77.0245, 63.2360



50.7553, 27.9103, 43.2699



15.9934, 15.8064, 12.2874



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.



52.1114, 41.5676, 9.9797



48.4208, 35.3321, 5.2160



73.0034, 83.3516, 16.9437



18.6392, 19.2466, 18.8769



24.4682, 16.9477, 1.9816



2.4877, 1.8608, 0.2280

Inverse Universe

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



35.2349, 38.5466, 100.1904



30.7195, 31.9455, 99.1547



22.8961, 13.8691, 96.0774



17.8752, 19.1220, 22.9987



15.0680, 15.0457, 51.5445



1.5753, 1.6813, 5.0548

Previews

White Background



This preview shows how the XYZ color 52.1105, 41.5654, 9.9790 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 52.1105, 41.5654, 9.9790 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 52.1105, 41.5654, 9.9790

Background



This preview shows how black text looks on a background with the XYZ color 52.1105, 41.5654, 9.9790.



This preview shows how white text looks on a background with the XYZ color 52.1105, 41.5654,

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

52.1105, 41.5654, 9.9790

Protanopia

38.0732, 41.6795, 11.9995

Deuteranopia

42.6293, 41.5980, 9.6533



Tritanopia

55.5949, 41.5435, 32.6923

Trichromacy



Original Color

52.1105, 41.5654, 9.9790

Protanomaly

42.2826, 40.8569, 11.1265

Deuteranomaly

45.8014, 41.4186, 9.7183

Tritanomaly

53.7705, 41.2771, 21.6563

Monochromacy



Original Color

52.1105, 41.5654, 9.9790

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

40.2468, 38.6873, 26.4653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1105, 41.5654, 9.9790 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 63) }
```

Border

The CSS property to change the border of an element to XYZ 52.1105, 41.5654, 9.9790 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, 63) }
```


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

```
.border{ border-color:rgb(255, 144, 63) }
```

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, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1105, 41.5654, 9.9790 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, 63) }
```

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

```
.background{ background-color: rgb(255,  
144, 63) }
```

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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