

Converting Colors

XYZ(52.4624, 44.2567, 12.8005)

Have a look what the booklet for
XYZ(52.4624, 44.2567, 12.8005)
contains.

XYZ(52.4852, 44.3025, 12.8061)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.4852, 44.3025,
12.8061)**

Conversions

Conversions Part 1

Format	Color
Hex	FA9B4D
RGB	250, 155, 77
RGB Percent	98%, 61%, 30%
CMY	0.0196, 0.3921, 0.6980
CMYK	0.00, 0.38, 0.69, 0.02
HSL	27°, 95%, 64%
HSV	27°, 69%, 98%
XYZ	52.4852, 44.3025, 12.8061
YIQ	174.5130, 81.6580, -4.1180

Conversions

Conversions Part 2

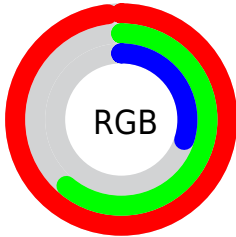
Format	Color
R_{YB}	250, 219, 77
Decimal	16423757
CIE _{Lab}	72.43, 29.04, 54.48
CIE _{LCh}	72, 61.734, 61.937
Yxy	44.3025, 0.4789, 0.4042
Android (android.graphics.Color)	4294613837 (0xFFFA9B4D)
YUV	174.5130, -48.0739, 66.2021
Hunter-Lab	66.5601, 24.2739, 35.1848

Details

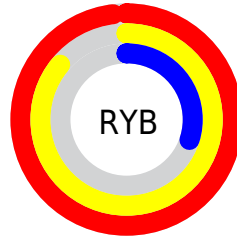
The XYZ color **52.4852, 44.3025, 12.8061** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **35.0673, 37.9827, 95.9250**, and the grayscale version is **40.7078, 42.8278, 46.6395**.

A 20% lighter version of the original color is **68.2490, 68.9382, 30.4782**, and **25.7542, 20.4578, 3.4555** is the 20% darker color. If you saturate the color by 10%, you get **49.6101, 39.7042, 8.2980**, and if you desaturate by 10%, it is **55.9611, 49.5605, 19.1875**.

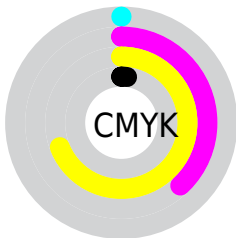
Distribution



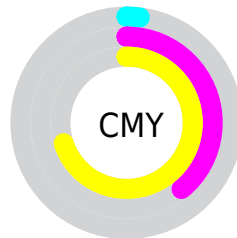
- Red (98%)
- Green (61%)
- Blue (30%)



- Red (98%)
- Yellow (86%)
- Blue (30%)



- Cyan (0%)
- Magenta (38%)
- Yellow (69%)
- Black (2%)





- Cyan (2%)
- Magenta (39%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4852, 44.3025, 12.8061 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 52.4852, 44.3025, 12.8061 by changing the saturation by 10% instead.


 52.4852, 44.3025,
12.8061


 52.4852, 44.3025,
12.8061


386.6002,
363.9413, 220.8352


 37.6178, 30.9084,
7.1660


 93.0164, 81.6727,
31.6411

 25.8620, 20.5291,
3.4861


 119.4109,
106.4177, 45.6730


 16.8526, 12.7802,
1.3479

 150.3785,
135.7150, 63.3393

 10.2241, 7.2774,
0.1006

 186.2846,
169.9491, 85.0585

 5.6112, 3.6362,
0.0000

 227.4944,
209.5044, 111.2492

 2.6485, 1.4722,
0.0000

274.3734,

 0.9708, 0.2690,

254.7652, 142.3298

0.0000

327.2868,
306.1161, 178.7190

■ 0.0000, 0.0000,
0.0000

■ 52.4852, 44.3025,
12.8061

■ 52.4852, 44.3025,
12.8061

■ 49.6101, 39.7042,
8.2980

■ 55.9611, 49.5605,
19.1875

■ 47.2828, 35.7248,
5.4406

■ 60.0776, 55.5016,
27.6258


■ 45.4326, 32.3235,
3.9020


■ 64.8743, 62.1562,
38.2846


■ 45.2986, 32.0730,
3.8032

■ 70.3860, 69.5503,
51.3107

■ 76.6450, 77.7083,
66.8377

 83.6812, 86.6536,
84.9895

 91.5230, 96.4082,
105.8816

 93.2340, 99.0638,
108.8150

Harmonies

Analogous

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



61.9665, 44.3025, 23.4069



52.4852, 44.3025, 12.8061



41.4204, 44.3025, 10.1780

Triad

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



52.4852, 44.3025, 12.8061



24.7916, 44.3025, 50.2458



53.8848, 44.3025, 117.0063

Complementary

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



52.4852, 44.3025, 12.8061



35.0673, 37.9827, 95.9250

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.



42.8036, 44.3025, 133.6939



52.4852, 44.3025, 12.8061



27.0226, 44.3025, 86.3468

Square

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



52.4852, 44.3025, 12.8061



26.5113, 44.3025, 25.5899



33.1979, 44.3025, 120.6186



62.8656, 44.3025, 81.3873

Rectangle

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



52.4852, 44.3025, 12.8061



34.9179, 44.3025, 11.7438



33.1979, 44.3025, 120.6186



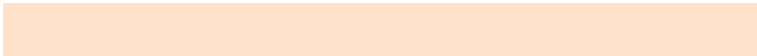
50.2235, 44.3025, 125.5597

Sweetspot

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



52.4862, 44.3048, 12.8069



78.9222, 79.6715, 66.7548



49.5389, 28.6162, 42.0180



16.4968, 16.5395, 13.2990



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.



52.4862, 44.3048, 12.8069



50.8839, 39.8397, 7.3273



72.3225, 83.9773, 19.4190



17.8891, 18.5141, 18.0931



24.1672, 17.2910, 2.0637



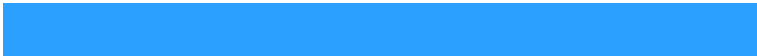
2.3425, 1.8099, 0.2259

Inverse Universe

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



35.0673, 37.9827, 95.9250



31.5567, 32.7326, 99.2626



23.6160, 15.0801, 92.1078



17.0731, 18.2230, 22.0028



14.0643, 13.4843, 49.8350



1.4085, 1.4607, 4.6509

Previews

White Background



This preview shows how the XYZ color 52.4852, 44.3025, 12.8061 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 52.4852, 44.3025, 12.8061 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 52.4852, 44.3025, 12.8061

Background



This preview shows how black text looks on a background with the XYZ color 52.4852, 44.3025, 12.8061.



This preview shows how white text looks on a background with the XYZ color 52.4852, 44.3025,

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

52.4852, 44.3025, 12.8061

Protanopia

40.5466, 44.3512, 14.8111

Deuteranopia

45.2094, 44.2291, 12.4576



Tritanopia

57.6047, 44.2521, 37.4037

Trichromacy



Original Color

52.4852, 44.3025, 12.8061

Protanomaly

44.1788, 43.9425, 13.9378

Deuteranomaly

47.7902, 44.2011, 12.4914

Tritanomaly

55.1517, 43.9361, 25.9958

Monochromacy



Original Color

52.4852, 44.3025, 12.8061

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.0200, 42.4259, 30.3477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4852, 44.3025, 12.8061 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(250, 155, 77)` looks like.

```
.text, #text, p{  
    color:rgb(250, 155, 77)  
}
```

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(250, 155, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 155, 77) }
```

Border

The CSS property to change the border of an element to XYZ 52.4852, 44.3025, 12.8061 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(250, 155, 77) }
```


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

```
.border{ border-color:rgb(250, 155, 77) }
```

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

Here you see how a box with a 4 pixel rgb(250, 155, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 155, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 155, 77);  
box-shadow:4px 4px 4px 4px rgb(250, 155,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4852, 44.3025, 12.8061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 155, 77) }
```

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

```
.background{ background-color: rgb(250,  
155, 77) }
```

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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