

Converting Colors

XYZ(50.6243, 43.0870, 13.9228)

Have a look what the booklet for
XYZ(50.6243, 43.0870, 13.9228)
contains.

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Color

**XYZ(50.4252, 42.9688,
13.8197)**

Conversions

Conversions Part 1

Format	Color
Hex	F49A53
RGB	244, 154, 83
RGB Percent	96%, 60%, 33%
CMY	0.0431, 0.3961, 0.6745
CMYK	0.00, 0.37, 0.66, 0.04
HSL	26°, 88%, 64%
HSV	26°, 66%, 96%
XYZ	50.4252, 42.9688, 13.8197
YIQ	172.8160, 76.4310, -3.0010

Conversions

Conversions Part 2

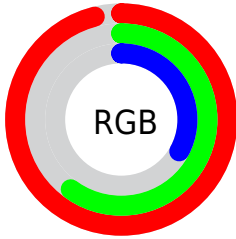
Format	Color
R_{YB}	244, 210, 83
Decimal	16030291
CIE _{Lab}	71.53, 27.47, 50.41
CIE _{LCh}	72, 57.408, 61.415
Yxy	42.9688, 0.4703, 0.4008
Android (android.graphics.Color)	4294220371 (0xFFFF49A53)
YUV	172.8160, -44.2793, 62.4284
Hunter-Lab	65.5506, 22.5987, 33.3856

Details

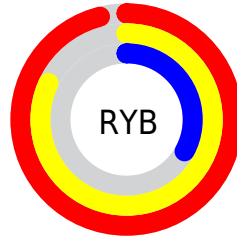
The XYZ color **50.4252, 42.9688, 13.8197** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **34.8391, 38.2559, 91.1355**, and the grayscale version is **39.8190, 41.8926, 45.6211**.

A 20% lighter version of the original color is **68.4136, 68.6102, 32.5590**, and **24.5543, 19.6798, 3.9433** is the 20% darker color. If you saturate the color by 10%, you get **47.5191, 38.4085, 8.9928**, and if you desaturate by 10%, it is **53.9204, 48.1776, 20.4783**.

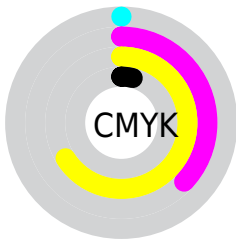
Distribution



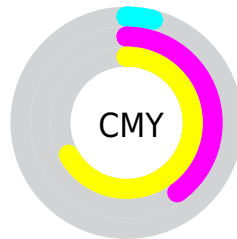
- Red (96%)
- Green (60%)
- Blue (33%)



- Red (96%)
- Yellow (82%)
- Blue (33%)



- Cyan (0%)
- Magenta (37%)
- Yellow (66%)
- Black (4%)



- Cyan (4%)
- Magenta (40%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4252, 42.9688, 13.8197 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 50.4252, 42.9688, 13.8197 by changing the saturation by 10% instead.

50.4252, 42.9688,
13.8197

50.4252, 42.9688,
13.8197

378.7510,
358.4834, 227.4956

35.9705, 29.8606,
7.8581

89.9926, 79.6638,
33.4813

24.5815, 19.7328,
3.9178

115.8361,
104.0194, 48.0183

15.8926, 12.2010,
1.5804

146.2065,
132.8929, 66.2508

9.5385, 6.8807,
0.2767

181.4693,
166.6688, 88.5975

5.1540, 3.3876,
0.0000

221.9898,
205.7314, 115.4767

2.3736, 1.3373,
0.0000

268.1333,

0.8319, 0.1698,

250.4651, 147.3071

0.0000

320.2653,
301.2543, 184.5072

■ 0.0000, 0.0000,
0.0000

■ 50.4252, 42.9688,
13.8197

■ 50.4252, 42.9688,
13.8197

■ 47.5191, 38.4085,
8.9928

■ 53.9204, 48.1776,
20.4783

■ 45.1542, 34.4585,
5.8000

■ 58.0412, 54.0571,
29.1337


■ 43.2770, 31.0849,
4.0005


■ 62.8239, 60.6360,
39.9349


■ 42.6297, 29.8763,
3.5199

■ 68.3009, 67.9392,
53.0159

■ 74.5024, 75.9903,
68.4996

 81.4565, 84.8113,
86.5002

 89.1895, 94.4237,
107.1243

 91.1181, 97.9730,
108.7160

Harmonies

Analogous

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



58.9053, 42.9688, 24.1101



50.4252, 42.9688, 13.8197



40.3819, 42.9688, 11.1359

Triad

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



50.4252, 42.9688, 13.8197



24.8951, 42.9688, 48.1166



51.3485, 42.9688, 108.7409

Complementary

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



50.4252, 42.9688, 13.8197



34.8391, 38.2559, 91.1355

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.



41.3026, 42.9688, 123.0281



50.4252, 42.9688, 13.8197



26.9075, 42.9688, 80.4964

Square

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



50.4252, 42.9688, 13.8197



26.5605, 42.9688, 25.6079



32.5546, 42.9688, 111.0707



59.4949, 42.9688, 77.2618

Rectangle

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



50.4252, 42.9688, 13.8197



34.4050, 42.9688, 12.6056



32.5546, 42.9688, 111.0707



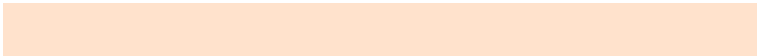
48.0323, 42.9688, 116.1683

Sweetspot

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



50.4262, 42.9710, 13.8205



79.4696, 80.2806, 68.4339



48.0643, 28.4850, 43.1290



16.5988, 16.6491, 13.6236



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.



50.4262, 42.9710, 13.8205



51.6273, 40.9860, 8.6249



68.0839, 78.2864, 19.7064



17.1006, 17.6853, 17.3099



23.3108, 16.5072, 1.9576



2.1494, 1.6520, 0.2056

Inverse Universe

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



34.8391, 38.2559, 91.1355



33.2116, 35.3205, 99.6748



23.8757, 16.3291, 87.4811



16.3495, 17.4633, 21.0516



13.8345, 13.4627, 48.4074



1.3182, 1.3879, 4.2886

Previews

White Background



This preview shows how the XYZ color 50.4252, 42.9688, 13.8197 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 50.4252, 42.9688, 13.8197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

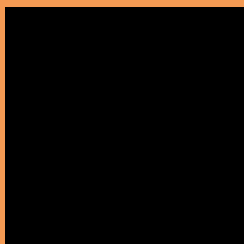
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4252, 42.9688, 13.8197

Background



This preview shows how black text looks on a background with the XYZ color 50.4252, 42.9688, 13.8197.



This preview shows how white text looks on a background with the XYZ color 50.4252, 42.9688,

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

50.4252, 42.9688, 13.8197

Protanopia

39.6189, 43.2582, 15.9344

Deuteranopia

43.8820, 42.9683, 13.5703



Tritanopia

55.3466, 43.0978, 36.8541

Trichromacy



Original Color

50.4252, 42.9688, 13.8197

Protanomaly

42.8743, 42.6904, 14.9972

Deuteranomaly

46.0841, 42.7656, 13.6103

Tritanomaly

53.0677, 42.8540, 26.2436

Monochromacy



Original Color

50.4252, 42.9688, 13.8197

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.9230, 41.3080, 30.5746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4252, 42.9688, 13.8197 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(244, 154, 83)` looks like.

```
.text, #text, p{  
    color:rgb(244, 154, 83)  
}
```

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(244, 154, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 154, 83) }
```

Border

The CSS property to change the border of an element to XYZ 50.4252, 42.9688, 13.8197 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(244, 154, 83) }
```


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

```
.border{ border-color:rgb(244, 154, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 154, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 154, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 154, 83);  
box-shadow:4px 4px 4px 4px rgb(244, 154,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4252, 42.9688, 13.8197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 154, 83) }
```

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

```
.background{ background-color: rgb(244,  
154, 83) }
```

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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