

Converting Colors

XYZ(51.3258, 42.2759, 17.0656)

Have a look what the booklet for
XYZ(51.3258, 42.2759, 17.0656)
contains.

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Color

**XYZ(51.4687, 42.4687,
17.0399)**

Conversions

Conversions Part 1

Format	Color
Hex	F79662
RGB	247, 150, 98
RGB Percent	97%, 59%, 38%
CMY	0.0314, 0.4117, 0.6157
CMYK	0.00, 0.39, 0.60, 0.03
HSL	21°, 90%, 68%
HSV	21°, 60%, 97%
XYZ	51.4687, 42.4687, 17.0399
YIQ	173.0750, 74.5040, 4.3920

Conversions

Conversions Part 2

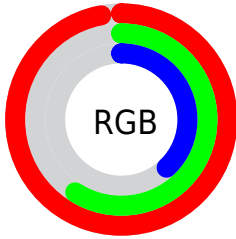
Format	Color
R_{YB}	247, 178, 98
Decimal	16225890
CIE _{Lab}	71.19, 31.71, 42.55
CIE _{LCh}	71, 53.069, 53.308
Yxy	42.4687, 0.4638, 0.3827
Android (android.graphics.Color)	4294415970 (0xFFFF79662)
YUV	173.0750, -37.0120, 64.8322
Hunter-Lab	65.1680, 26.9325, 30.1147

Details

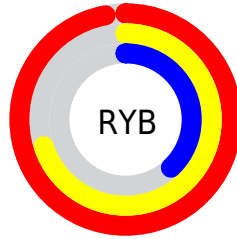
The XYZ color **51.4687, 42.4687, 17.0399** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **41.3394, 48.3397, 95.1468**, and the grayscale version is **39.9161, 41.9948, 45.7324**.

A 20% lighter version of the original color is **68.5763, 67.1247, 38.1962**, and **25.1718, 19.3962, 5.3229** is the 20% darker color. If you saturate the color by 10%, you get **48.0854, 37.2895, 11.0192**, and if you desaturate by 10%, it is **55.5659, 48.5003, 25.0740**.

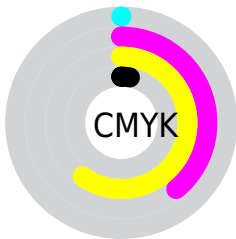
Distribution



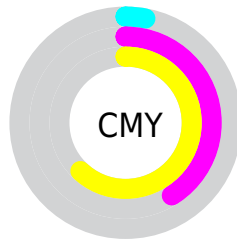
- Red (97%)
- Green (59%)
- Blue (38%)



- Red (97%)
- Yellow (70%)
- Blue (38%)



- Cyan (0%)
- Magenta (39%)
- Yellow (60%)
- Black (3%)



- Cyan (3%)
- Magenta (41%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4687, 42.4687, 17.0399 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 51.4687, 42.4687, 17.0399 by changing the saturation by 10% instead.


 51.4687, 42.4687,
17.0399

 51.4687, 42.4687,
17.0399


382.7398,
356.4222, 247.4539

 36.8043, 29.4685,
10.1007


 91.5261, 78.9085,
39.1860


 25.2290, 19.4355,
5.3593


 117.6498,
103.1168, 55.2299

 16.3774, 11.9854,
2.3972


 148.3240,
131.8300, 75.1458

 9.8841, 6.7337,
0.7849

 183.9141,
165.4324, 99.3522

 5.3839, 3.2961,
0.0000

224.7853,
204.3085, 128.2677

 2.5113, 1.2882,
0.0000

271.3031,

 0.9009, 0.1321,

248.8425, 162.3108

0.0000

323.8328,
299.4190, 201.9000

■ 0.0000, 0.0000,
0.0000

■ 51.4687, 42.4687,
17.0399

■ 51.4687, 42.4687,
17.0399

■ 48.0854, 37.2895,
11.0192

■ 55.5659, 48.5003,
25.0740

■ 45.3643, 32.9139,
6.8239

■ 60.4173, 55.4167,
35.2815

■ 43.2502, 29.2973,
4.2342

■ 66.0635, 63.2561,
47.8087

■ 41.7022, 26.4634,
2.9100

■ 72.5411, 72.0526,
62.7884

■ 79.8842, 81.8384,
80.3435

■ 88.1250, 92.6441,
100.5884

■ 92.1675, 98.5140,
108.7651

Harmonies

Analogous

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



58.1937, 42.4687, 29.4452



51.4687, 42.4687, 17.0399



42.3909, 42.4687, 12.6634

Triad

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



51.4687, 42.4687, 17.0399



25.6528, 42.4687, 40.7657



47.5159, 42.4687, 107.3730

Complementary

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



51.4687, 42.4687, 17.0399



41.3394, 48.3397, 95.1468

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.



38.4051, 42.4687, 113.9245



51.4687, 42.4687, 17.0399



26.6098, 42.4687, 68.4500

Square

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



51.4687, 42.4687, 17.0399



28.1479, 42.4687, 22.7181



30.9859, 42.4687, 97.6733



55.6875, 42.4687, 82.1085

Rectangle

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



51.4687, 42.4687, 17.0399



36.5558, 42.4687, 13.0817



30.9859, 42.4687, 97.6733



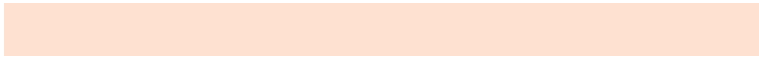
44.4305, 42.4687, 112.1438

Sweetspot

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



51.4697, 42.4709, 17.0407



79.7189, 79.7841, 71.5848



52.8417, 32.5563, 56.5228



16.5951, 16.4486, 14.2177



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.



51.4697, 42.4709, 17.0407



51.1217, 39.1831, 10.8974



66.7277, 72.9869, 22.1267



16.9722, 17.4285, 17.2671



22.1749, 14.2354, 1.5790



2.0415, 1.4362, 0.1696

Inverse Universe

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



41.3394, 48.3397, 95.1468



39.2907, 45.8003, 101.3772



28.8881, 23.4371, 90.9964



16.4815, 17.7273, 21.0956



15.7378, 17.2694, 49.0419



1.4792, 1.7099, 4.3423

Previews

White Background



This preview shows how the XYZ color 51.4687, 42.4687, 17.0399 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 51.4687, 42.4687, 17.0399 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 51.4687, 42.4687, 17.0399

Background



This preview shows how black text looks on a background with the XYZ color 51.4687, 42.4687, 17.0399.



This preview shows how white text looks on a background with the XYZ color 51.4687, 42.4687,

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

51.4687, 42.4687, 17.0399

Protanopia

39.4697, 42.7978, 20.0905

Deuteranopia

43.5707, 42.7417, 16.5432



Tritanopia

55.4389, 42.4872, 35.8508

Trichromacy



Original Color

51.4687, 42.4687, 17.0399

Protanomaly

42.9989, 42.1208, 18.9605

Deuteranomaly

46.1745, 42.4847, 16.5932

Tritanomaly

54.0063, 42.6030, 27.9310

Monochromacy



Original Color

51.4687, 42.4687, 17.0399

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.4629, 41.2650, 32.9210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4687, 42.4687, 17.0399 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(247, 150, 98)` looks like.

```
.text, #text, p{  
    color:rgb(247, 150, 98)  
}
```

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(247, 150, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 150, 98) }
```

Border

The CSS property to change the border of an element to XYZ 51.4687, 42.4687, 17.0399 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(247, 150, 98) }
```


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

```
.border{ border-color:rgb(247, 150, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 150, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 150, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 150, 98);  
box-shadow:4px 4px 4px 4px rgb(247, 150,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4687, 42.4687, 17.0399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 150, 98) }
```

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

```
.background{ background-color: rgb(247,  
150, 98) }
```

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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