

Converting Colors

XYZ(50.9375, 42.0668, 20.8038)

Have a look what the booklet for
XYZ(50.9375, 42.0668, 20.8038)
contains.

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Color

**XYZ(50.7931, 42.0372,
20.7661)**

Conversions

Conversions Part 1

Format	Color
Hex	F39670
RGB	243, 150, 112
RGB Percent	95%, 59%, 44%
CMY	0.0471, 0.4117, 0.5608
CMYK	0.00, 0.38, 0.54, 0.05
HSL	17°, 85%, 70%
HSV	17°, 54%, 95%
XYZ	50.7931, 42.0372, 20.7661
YIQ	173.4750, 67.6260, 7.8980

Conversions

Conversions Part 2

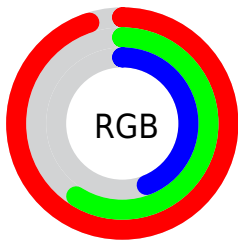
Format	Color
R _Y B	243, 166, 112
Decimal	15963760
CIE Lab	70.90, 31.20, 34.70
CIE LCh	71, 46.660, 48.043
Yxy	42.0372, 0.4471, 0.3701
Android (android.graphics.Color)	4294153840 (0xFFFF39670)
YUV	173.4750, -30.3072, 60.9734
Hunter-Lab	64.8361, 26.3751, 26.3955

Details

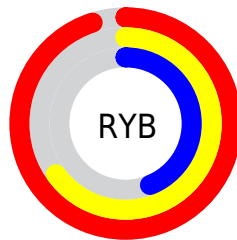
The XYZ color **50.7931, 42.0372, 20.7661** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.6898, 53.5757, 92.7794**, and the grayscale version is **40.0900, 42.1778, 45.9316**.

A 20% lighter version of the original color is **69.7722, 67.6030, 44.4932**, and **24.7933, 19.1615, 7.0944** is the 20% darker color. If you saturate the color by 10%, you get **47.0654, 36.4628, 13.7252**, and if you desaturate by 10%, it is **55.2932, 48.5724, 29.8661**.

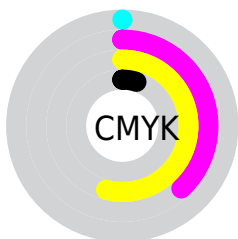
Distribution



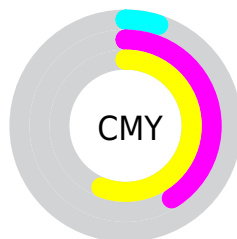
- Red (95%)
- Green (59%)
- Blue (44%)



- Red (95%)
- Yellow (65%)
- Blue (44%)



- Cyan (0%)
- Magenta (38%)
- Yellow (54%)
- Black (5%)





- Cyan (5%)
- Magenta (41%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7931, 42.0372, 20.7661 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 50.7931, 42.0372, 20.7661 by changing the saturation by 10% instead.


 50.7931, 42.0372,
20.7661


 50.7931, 42.0372,
20.7661


380.1603,
354.6371, 268.7729

 36.2643, 29.1304,
12.7636


 90.5337, 78.2559,
45.5737


 24.8095, 19.1795,
7.1371


 116.4762,
102.3367, 63.2158

 16.0631, 11.8001,
3.4683


 146.9541,
130.9108, 84.9081

 9.6600, 6.6077,
1.3384

 182.3326,
164.3628, 111.0693

 5.2346, 3.2180,
0.0930

222.9771,
203.0771, 142.1178

 2.4217, 1.2466,
0.0000

269.2530,

 0.8560, 0.0993,

247.4379, 178.4723

0.0000

321.5256,
297.8298, 220.5511

■ 0.0000, 0.0000,
0.0000

■ 50.7931, 42.0372,
20.7661

■ 50.7931, 42.0372,
20.7661

■ 47.0654, 36.4628,
13.7252

■ 55.2932, 48.5724,
29.8661

■ 44.0591, 31.7953,
8.5766

■ 60.6059, 56.1057,
41.1694

■ 41.7216, 27.9852,
5.1310

■ 66.7720, 64.6802,
54.8096

■ 39.9897, 24.9744,
3.1574

■ 73.8288, 74.3346,
70.9091

■ 39.1835, 23.4977,
2.4703

■ 81.8111, 85.1054,
89.5817

90.2975, 96.8456,
108.5416

90.7720, 97.7946,
108.6998

Harmonies

Analogous

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



55.9013, 42.0372, 33.7625



50.7931, 42.0372, 20.7661



43.1293, 42.0372, 15.3866

Triad

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



50.7931, 42.0372, 20.7661



27.0548, 42.0372, 37.4706



44.7608, 42.0372, 99.6632

Complementary

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



50.7931, 42.0372, 20.7661



44.6898, 53.5757, 92.7794

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.



36.9405, 42.0372, 101.6503



50.7931, 42.0372, 20.7661



27.3724, 42.0372, 60.3356

Square

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



50.7931, 42.0372, 20.7661



29.8477, 42.0372, 22.7198



30.7801, 42.0372, 85.5074



52.1199, 42.0372, 80.7297

Rectangle

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



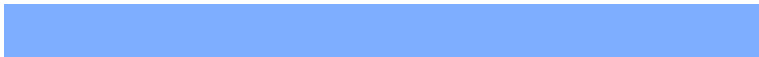
50.7931, 42.0372, 20.7661



37.9021, 42.0372, 15.1427



30.7801, 42.0372, 85.5074



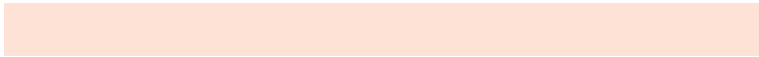
42.0809, 42.0372, 102.5162

Sweetspot

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



50.7941, 42.0393, 20.7669



80.6096, 80.5381, 75.0492



53.8827, 35.0938, 62.2521



16.8978, 16.7527, 15.2474



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.



50.7941, 42.0393, 20.7669



52.0474, 39.9729, 14.4787



64.0896, 68.6303, 25.1987



16.8908, 17.2657, 17.2399



21.6056, 13.0968, 1.3892



1.9836, 1.3205, 0.1503

Inverse Universe

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



44.6898, 53.5757, 92.7794



44.4855, 53.9394, 102.6745



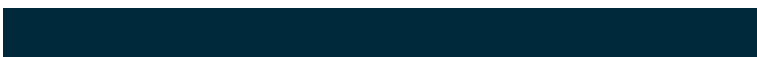
32.2942, 28.7845, 88.6475



16.5669, 17.8981, 21.1241



17.1497, 20.0931, 49.5125



1.5954, 1.9423, 4.3810

Previews

White Background



This preview shows how the XYZ color 50.7931, 42.0372, 20.7661 looks on a white background.

Color Contrast Check

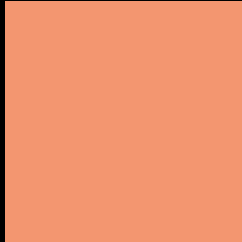
Large Text (above 18pt) WCAG AA × Fail

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 50.7931, 42.0372, 20.7661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

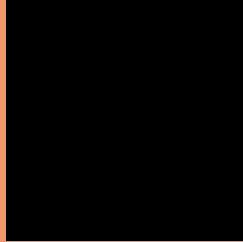
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7931, 42.0372, 20.7661

Background



This preview shows how black text looks on a background with the XYZ color 50.7931, 42.0372, 20.7661.



This preview shows how white text looks on a background with the XYZ color 50.7931, 42.0372,

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

50.7931, 42.0372, 20.7661

Protanopia

39.3879, 42.3686, 24.5143

Deuteranopia

42.9749, 42.0782, 20.3249



Tritanopia

53.8957, 41.9059, 36.2584

Trichromacy



Original Color

50.7931, 42.0372, 20.7661

Protanomaly

42.7376, 41.6282, 22.9221

Deuteranomaly

45.5095, 41.7970, 20.4209

Tritanomaly

52.5953, 41.8343, 29.7289

Monochromacy



Original Color

50.7931, 42.0372, 20.7661

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.3298, 41.1504, 34.9900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7931, 42.0372, 20.7661 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(243, 150, 112)` looks like.

```
.text, #text, p{  
    color:rgb(243, 150, 112)  
}
```

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(243, 150, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 150, 112) }
```

Border

The CSS property to change the border of an element to XYZ 50.7931, 42.0372, 20.7661 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(243, 150, 112) }
```


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

```
.border{ border-color:rgb(243, 150, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 150, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 150, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 150, 112);  
box-shadow:4px 4px 4px 4px rgb(243, 150,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7931, 42.0372, 20.7661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 150, 112) }
```

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

```
.background{ background-color: rgb(243,  
150, 112) }
```

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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