

Converting Colors

XYZ(51.3037, 40.0897, 20.1965)

Have a look what the booklet for
XYZ(51.3037, 40.0897, 20.1965)
contains.

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Color

**XYZ(51.3142, 40.0436,
20.0636)**

Conversions

Conversions Part 1

Format	Color
Hex	F98C6F
RGB	249, 140, 111
RGB Percent	98%, 55%, 44%
CMY	0.0235, 0.4510, 0.5647
CMYK	0.00, 0.44, 0.55, 0.02
HSL	13°, 92%, 71%
HSV	13°, 55%, 98%
XYZ	51.3142, 40.0436, 20.0636
YIQ	169.2850, 74.2730, 14.0890

Conversions

Conversions Part 2

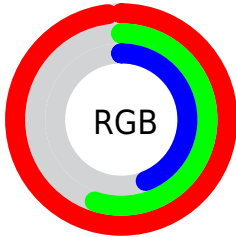
Format	Color
R_{YB}	249, 148, 111
Decimal	16354415
CIE _{Lab}	69.50, 38.60, 33.61
CIE _{LCh}	70, 51.176, 41.046
Yxy	40.0436, 0.4605, 0.3594
Android (android.graphics.Color)	4294544495 (0xFFFF98C6F)
YUV	169.2850, -28.7345, 69.9101
Hunter-Lab	63.2800, 34.0069, 25.4975

Details

The XYZ color **51.3142, 40.0436, 20.0636** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.2460, 61.4020, 98.8782**, and the grayscale version is **37.9664, 39.9436, 43.4986**.

A 20% lighter version of the original color is **67.3660, 62.9346, 43.2473**, and **25.1260, 18.0297, 6.8584** is the 20% darker color. If you saturate the color by 10%, you get **47.5081, 34.3283, 12.9476**, and if you desaturate by 10%, it is **56.0179, 46.9430, 29.3643**.

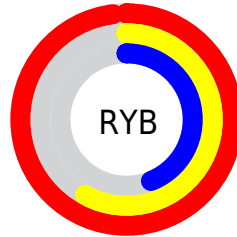
Distribution



Red (98%)

Green (55%)

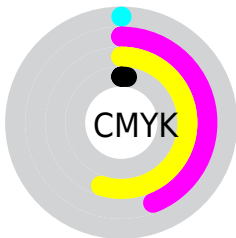
Blue (44%)



Red (98%)

Yellow (58%)

Blue (44%)

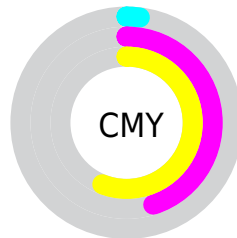


Cyan (0%)

Magenta (44%)

Yellow (55%)

Black (2%)



Cyan (2%)


Magenta (45%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3142, 40.0436, 20.0636 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 51.3142, 40.0436, 20.0636 by changing the saturation by 10% instead.


 51.3142, 40.0436,
20.0636


 51.3142, 40.0436,
20.0636


382.1509,
346.3073, 264.8748


 36.6808, 27.5725,
12.2567


 91.2993, 75.2299,
44.3842


 25.1330, 18.0037,
6.7941


 117.3816, 98.7139,
61.7349

 16.3054, 10.9526,
3.2572


 148.0110,
126.6377, 83.1041

 9.8327, 6.0350,
1.2274

 183.5528,
159.3857, 108.9102

 5.3496, 2.8664,
0.0012

224.3723,
197.3423, 139.5718

 2.4907, 1.0624,
0.0000

270.8349,

 0.8906, 0.0000,

240.8918, 175.5074

0.0000

323.3060,
290.4187, 217.1356

■ 0.0000, 0.0000,
0.0000

■ 51.3142, 40.0436,
20.0636

■ 51.3142, 40.0436,
20.0636

■ 47.5081, 34.3283,
12.9476

■ 56.0179, 46.9430,
29.3643

■ 44.5366, 29.7231,
7.8332

■ 61.6705, 55.0824,
41.0080

■ 42.3328, 26.1550,
4.5106

■ 68.3227, 64.5217,
55.1410

■ 40.8165, 23.5389,
2.7211

■ 76.0207, 75.3149,
71.8967

■ 40.3098, 22.6258,
2.2427

■ 84.8077, 87.5131,
91.3993

92.8767, 98.8796,
108.7983

Harmonies

Analogous

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



55.8391, 40.0436, 35.4667



51.3142, 40.0436, 20.0636



43.4461, 40.0436, 13.2117

Triad

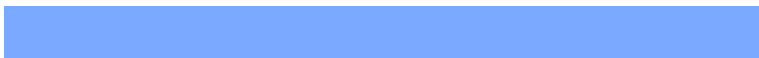
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.3142, 40.0436, 20.0636



24.9478, 40.0436, 30.4519



41.1795, 40.0436, 105.0778

Complementary

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



51.3142, 40.0436, 20.0636



49.2460, 61.4020, 98.8782

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.



33.1390, 40.0436, 102.1909



51.3142, 40.0436, 20.0636



24.5231, 40.0436, 52.8919

Square

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



51.3142, 40.0436, 20.0636



28.5692, 40.0436, 17.5380



27.3109, 40.0436, 80.7325



49.4500, 40.0436, 87.5962

Rectangle

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



51.3142, 40.0436, 20.0636



37.7717, 40.0436, 12.1350



27.3109, 40.0436, 80.7325



38.3503, 40.0436, 106.5834

Sweetspot

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



51.3152, 40.0457, 20.0643



78.8731, 77.5830, 72.8741



57.8558, 36.7506, 72.7304



16.5206, 16.1004, 14.8073



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.



51.3152, 40.0457, 20.0643



49.5699, 35.3501, 12.6290



64.3945, 66.2043, 24.4241



17.5402, 17.8163, 17.9768



21.6594, 12.2755, 1.2278



2.0790, 1.2828, 0.1380

Inverse Universe

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



49.2460, 61.4020, 98.8782



47.0743, 59.8211, 103.6733



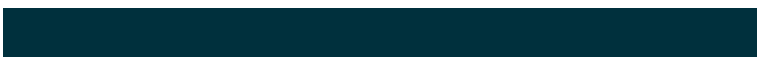
34.9479, 32.8059, 94.1122



17.4380, 18.9527, 22.1245



19.9061, 25.1677, 51.7822



1.9185, 2.4806, 4.8209

Previews

White Background



This preview shows how the XYZ color 51.3142, 40.0436, 20.0636 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 51.3142, 40.0436, 20.0636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

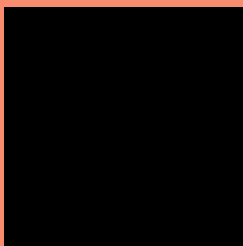
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3142, 40.0436, 20.0636

Background



This preview shows how black text looks on a background with the XYZ color 51.3142, 40.0436, 20.0636.



This preview shows how white text looks on a background with the XYZ color 51.3142, 40.0436,

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

51.3142, 40.0436, 20.0636

Protanopia

37.4783, 40.2468, 24.5320

Deuteranopia

41.2046, 40.3777, 19.5319



Tritanopia

53.5585, 39.8815, 31.6631

Trichromacy



Original Color

51.3142, 40.0436, 20.0636

Protanomaly

41.4600, 39.3936, 22.8713

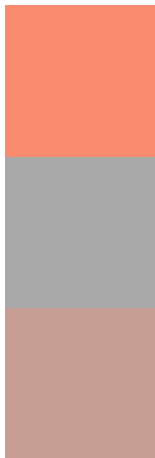
Deuteranomaly

44.5523, 40.0550, 19.5706

Tritanomaly

52.6036, 39.9088, 27.1209

Monochromacy



Original Color

51.3142, 40.0436, 20.0636

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.8609, 38.5976, 33.3135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3142, 40.0436, 20.0636 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(249, 140, 111)` looks like.

```
.text, #text, p{  
    color:rgb(249, 140, 111)  
}
```

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(249, 140, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 140, 111) }
```

Border

The CSS property to change the border of an element to XYZ 51.3142, 40.0436, 20.0636 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(249, 140, 111) }
```


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

```
.border{ border-color:rgb(249, 140, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 140, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 140, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 140, 111);  
box-shadow:4px 4px 4px 4px rgb(249, 140,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3142, 40.0436, 20.0636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 140, 111) }
```

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

```
.background{ background-color: rgb(249,  
140, 111) }
```

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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