

Converting Colors

XYZ(55.3411, 41.3067, 12.3913)

Have a look what the booklet for
XYZ(55.3411, 41.3067, 12.3913)
contains.

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Color

**XYZ(51.3153, 39.1525,
12.2497)**

Conversions

Conversions Part 1

Format	Color
Hex	FF874F
RGB	255, 135, 79
RGB Percent	100%, 53%, 31%
CMY	0.0000, 0.4706, 0.6902
CMYK	0.00, 0.47, 0.69, 0.00
HSL	19°, 100%, 65%
HSV	19°, 69%, 100%
XYZ	51.3153, 39.1525, 12.2497
YIQ	164.4960, 89.4960, 8.0240

Conversions

Conversions Part 2

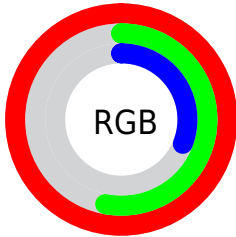
Format	Color
RYB	255, 161, 79
Decimal	16746319
CIELab	68.86, 41.35, 49.76
CIElCh	69, 64.703, 50.273
Yxy	39.1525, 0.4996, 0.3812
Android (android.graphics.Color)	4294936399 (0xFFFF874F)
YUV	164.4960, -42.1495, 79.3720
Hunter-Lab	62.5720, 36.8870, 32.1932

Details

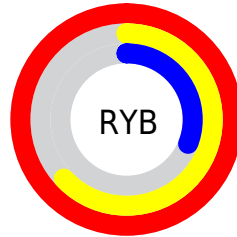
The XYZ color **51.3153, 39.1525, 12.2497** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **41.6963, 49.7260, 102.0077**, and the grayscale version is **35.6893, 37.5479, 40.8897**.

A 20% lighter version of the original color is **63.6827, 59.6986, 29.2856**, and **25.0658, 17.4867, 3.2825** is the 20% darker color. If you saturate the color by 10%, you get **48.3281, 34.3897, 7.5197**, and if you desaturate by 10%, it is **55.0562, 44.8539, 18.9866**.

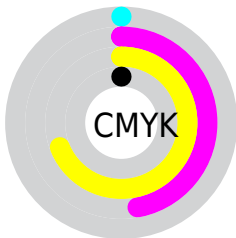
Distribution



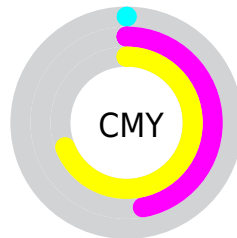
- Red (100%)
- Green (53%)
- Blue (31%)



- Red (100%)
- Yellow (63%)
- Blue (31%)



- Cyan (0%)
- Magenta (47%)
- Yellow (69%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3153, 39.1525, 12.2497 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 51.3153, 39.1525, 12.2497 by changing the saturation by 10% instead.


 51.3153, 39.1525,
12.2497


 51.3153, 39.1525,
12.2497


382.1551,
342.5384, 217.0877


 36.6817, 26.8784,
6.7894


 91.3009, 73.8712,
30.6202


 25.1337, 17.4819,
3.2543


 117.3835, 97.0846,
44.3675


 16.3059, 10.5787,
1.2259

 148.0133,
124.7132, 61.7142

 9.8331, 5.7843,
0.0000

 183.5554,
157.1415, 83.0789

 5.3499, 2.7144,
0.0000

 224.3753,
194.7537, 108.8800

 2.4908, 0.9845,
0.0000

270.8383,

 0.8906, 0.0000,

237.9344, 139.5362

0.0000

323.3098,
287.0678, 175.4659

■ 0.0000, 0.0000,
0.0000

■ 51.3153, 39.1525,
12.2497

■ 51.3153, 39.1525,
12.2497

■ 48.3281, 34.3897,
7.5197

■ 55.0562, 44.8539,
18.9866

■ 46.0294, 30.5037,
4.5605

■ 59.6024, 51.5381,
27.9261


■ 44.3354, 27.4293,
3.0295

■ 65.0035, 59.2536,
39.2427

■ 44.1931, 27.1665,
2.9144

■ 71.3040, 68.0434,
53.0924

■ 78.5453, 77.9483,
69.6181

 86.7657, 89.0066,
88.9519

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



58.9815, 39.1525, 25.8831



51.3153, 39.1525, 12.2497



40.6503, 39.1525, 7.6536

Triad

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



51.3153, 39.1525, 12.2497



20.9456, 39.1525, 33.7715



44.4839, 39.1525, 120.7339

Complementary

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



51.3153, 39.1525, 12.2497



41.6963, 49.7260, 102.0077

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.



33.9756, 39.1525, 126.2004



51.3153, 39.1525, 12.2497



21.5926, 39.1525, 65.3834

Square

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



51.3153, 39.1525, 12.2497



23.9977, 39.1525, 15.7376



25.9650, 39.1525, 102.5995



54.5614, 39.1525, 89.9558

Rectangle

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



51.3153, 39.1525, 12.2497



33.8013, 39.1525, 7.6835



25.9650, 39.1525, 102.5995



40.8475, 39.1525, 126.0073

Sweetspot

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



51.3162, 39.1546, 12.2504



77.0345, 75.8960, 66.1255



54.3757, 30.9880, 57.3107



16.0513, 15.6485, 13.1505



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.



51.3162, 39.1546, 12.2504



47.3344, 32.7409, 6.1441



68.9675, 74.4573, 18.1342



18.4811, 18.9304, 18.8242



23.2101, 14.4314, 1.5622



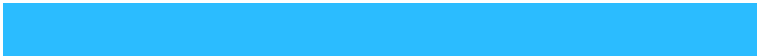
2.3534, 1.5921, 0.1833

Inverse Universe

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



41.6963, 49.7260, 102.0077



36.9692, 43.5576, 101.0667



26.9882, 20.3097, 97.1049



18.0388, 19.4493, 23.0533



17.4661, 19.8418, 52.3439



1.7991, 2.1290, 5.1294

Previews

White Background



This preview shows how the XYZ color 51.3153, 39.1525, 12.2497 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 51.3153, 39.1525, 12.2497 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 51.3153, 39.1525, 12.2497

Background



This preview shows how black text looks on a background with the XYZ color 51.3153, 39.1525, 12.2497.



This preview shows how white text looks on a background with the XYZ color 51.3153, 39.1525,

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

51.3153, 39.1525, 12.2497

Protanopia

36.2831, 39.5532, 15.3951

Deuteranopia

40.0679, 39.1780, 11.7536



Tritanopia

53.8828, 39.0893, 29.1312

Trichromacy



Original Color

51.3153, 39.1525, 12.2497

Protanomaly

40.6007, 38.6347, 14.1215

Deuteranomaly

43.7006, 38.8100, 11.8444

Tritanomaly

52.7022, 39.0469, 21.5887

Monochromacy



Original Color

51.3153, 39.1525, 12.2497

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

39.1474, 36.8382, 27.6014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3153, 39.1525, 12.2497 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(255, 135, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 79)  
}
```

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(255, 135, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 79) }
```

Border

The CSS property to change the border of an element to XYZ 51.3153, 39.1525, 12.2497 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(255, 135, 79) }
```


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

```
.border{ border-color:rgb(255, 135, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3153, 39.1525, 12.2497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 79) }
```

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

```
.background{ background-color: rgb(255,  
135, 79) }
```

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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