

Converting Colors

XYZ(112.1324, 70.2894,
21.0214)

Have a look what the booklet for
XYZ(112.1324, 70.2894, 21.0214)
contains.

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Color

**XYZ(52.4538, 39.6079,
18.2451)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8769
RGB	255, 135, 105
RGB Percent	100%, 53%, 41%
CMY	0.0000, 0.4706, 0.5882
CMYK	0.00, 0.47, 0.59, 0.00
HSL	12°, 100%, 71%
HSV	12°, 59%, 100%
XYZ	52.4538, 39.6079, 18.2451
YIQ	167.4600, 81.1500, 16.1100

Conversions

Conversions Part 2

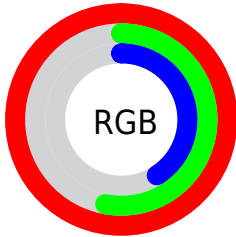
Format	Color
R_{YB}	255, 143, 105
Decimal	16746345
CIE _{Lab}	69.19, 42.93, 36.62
CIE _{LCh}	69, 56.424, 40.462
Yxy	39.6079, 0.4755, 0.3591
Android (android.graphics.Color)	4294936425 (0xFFFF8769)
YUV	167.4600, -30.7928, 76.7726
Hunter-Lab	62.9348, 38.6371, 26.8659

Details

The XYZ color **52.4538, 39.6079, 18.2451** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.7991, 64.0700, 104.2966**, and the grayscale version is **37.0742, 39.0049, 42.4764**.

A 20% lighter version of the original color is **65.7393, 60.5212, 40.1152**, and **25.7481, 17.6675, 5.9240** is the 20% darker color. If you saturate the color by 10%, you get **48.7557, 34.0042, 11.4870**, and if you desaturate by 10%, it is **57.0920, 46.4634, 27.2552**.

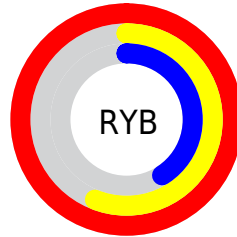
Distribution



Red (100%)

Green (53%)

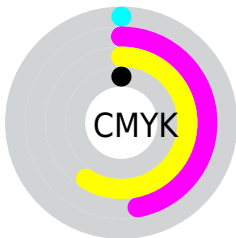
Blue (41%)



Red (100%)

Yellow (56%)

Blue (41%)

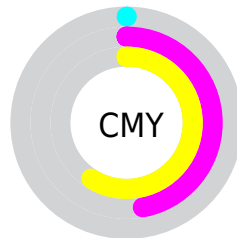


Cyan (0%)

Magenta (47%)

Yellow (59%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4538, 39.6079, 18.2451 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 52.4538, 39.6079, 18.2451 by changing the saturation by 10% instead.


 52.4538, 39.6079,
18.2451


 52.4538, 39.6079,
18.2451


386.4813,
344.4682, 254.5313


 37.5926, 27.2330,
10.9548


 92.9704, 74.5661,
41.2741


 25.8425, 17.7483,
5.9227


 119.3566, 97.9181,
57.8499

 16.8379, 10.7694,
2.7301


 150.3152,
125.6979, 78.3580

 10.2136, 5.9120,
0.9585

 186.2115,
158.2900, 103.2169

 5.6041, 2.7916,
0.0000

227.4109,
196.0786, 132.8451

 2.6443, 1.0239,
0.0000

274.2788,

 0.9686, 0.0000,

239.4483, 167.6612

0.0000

327.1804,
288.7833, 208.0838

■ 0.0000, 0.0000,
0.0000

■ 52.4538, 39.6079,
18.2451

■ 52.4538, 39.6079,
18.2451

■ 48.7557, 34.0042,
11.4870

■ 57.0920, 46.4634,
27.2552

■ 45.9271, 29.5691,
6.7770

■ 62.7279, 54.6347,
38.6925

■ 43.8917, 26.2186,
3.8777

■ 69.4179, 64.1888,
52.7172

■ 42.5482, 23.8505,
2.4473

■ 77.2131, 75.1863,
69.4751

■ 42.4241, 23.6286,
2.3248

■ 86.1613, 87.6841,
89.1012

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.



57.4207, 39.6079, 34.7160



52.4538, 39.6079, 18.2451



43.7533, 39.6079, 11.1977

Triad

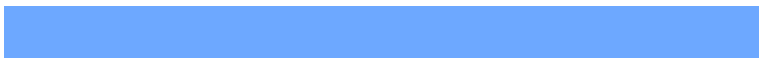
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.4538, 39.6079, 18.2451



23.5451, 39.6079, 28.5486



40.8862, 39.6079, 112.7904

Complementary

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



52.4538, 39.6079, 18.2451



50.7991, 64.0700, 104.2966

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.



32.1354, 39.6079, 108.9705



52.4538, 39.6079, 18.2451



23.0291, 39.6079, 52.7957

Square

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



52.4538, 39.6079, 18.2451



27.4698, 39.6079, 15.2872



25.9258, 39.6079, 84.0890



50.0686, 39.6079, 93.0704

Rectangle

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



52.4538, 39.6079, 18.2451



37.5063, 39.6079, 10.0735



25.9258, 39.6079, 84.0890



37.7863, 39.6079, 114.3631

Sweetspot

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



52.4547, 39.6100, 18.2458



77.9056, 76.1576, 70.9804



59.8821, 36.7996, 75.1809



16.1586, 15.5756, 14.0722



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.



52.4547, 39.6100, 18.2458



48.0684, 32.9419, 10.2947



66.8363, 68.3731, 23.0397



18.3036, 18.5753, 18.7650



22.2502, 12.5116, 1.2423



2.2389, 1.3632, 0.1451

Inverse Universe

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



50.7991, 64.0700, 104.2966



46.1448, 59.2231, 103.6069



34.7823, 32.0363, 98.9577



18.2281, 19.8277, 23.1164



20.8213, 26.5522, 53.4623



2.1020, 2.7347, 5.2303

Previews

White Background



This preview shows how the XYZ color 52.4538, 39.6079, 18.2451 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 52.4538, 39.6079, 18.2451 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 52.4538, 39.6079, 18.2451

Background



This preview shows how black text looks on a background with the XYZ color 52.4538, 39.6079, 18.2451.



This preview shows how white text looks on a background with the XYZ color 52.4538, 39.6079,

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

52.4538, 39.6079, 18.2451

Protanopia

37.0462, 39.7751, 23.1776

Deuteranopia

40.6742, 39.8826, 17.6109



Tritanopia

54.2990, 39.6856, 29.9975

Trichromacy



Original Color

52.4538, 39.6079, 18.2451



Protanomaly

41.3887, 38.8842, 21.2436



Deuteranomaly

44.3670, 39.2631, 17.8105



Tritanomaly

53.5238, 39.5936, 25.2434

Monochromacy



Original Color

52.4538, 39.6079, 18.2451



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

40.3086, 37.5984, 31.5183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4538, 39.6079, 18.2451 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 105) }
```

Border

The CSS property to change the border of an element to XYZ 52.4538, 39.6079, 18.2451 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, 105) }
```


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

```
.border{ border-color:rgb(255, 135, 105) }
```

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, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4538, 39.6079, 18.2451 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, 105) }
```

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

```
.background{ background-color: rgb(255,  
135, 105) }
```

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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