

Converting Colors

XYZ(58.3903, 49.9401, 24.9747)

Have a look what the booklet for
XYZ(58.3903, 49.9401, 24.9747)
contains.

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Color

**XYZ(58.3891, 49.9376,
24.9738)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA67A
RGB	255, 166, 122
RGB Percent	100%, 65%, 48%
CMY	0.0000, 0.3490, 0.5216
CMYK	0.00, 0.35, 0.52, 0.00
HSL	20°, 100%, 74%
HSV	20°, 52%, 100%
XYZ	58.3891, 49.9376, 24.9738
YIQ	187.5950, 67.1680, 5.1840

Conversions

Conversions Part 2

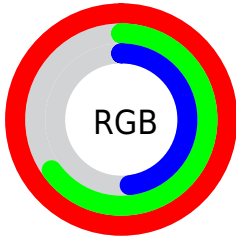
Format	Color
R_{YB}	255, 188, 122
Decimal	16754298
CIE _{Lab}	76.03, 28.36, 36.25
CIE _{LCh}	76, 46.024, 51.962
Yxy	49.9376, 0.4380, 0.3746
Android (android.graphics.Color)	4294944378 (0xFFFFA67A)
YUV	187.5950, -32.3383, 59.1142
Hunter-Lab	70.6665, 23.8214, 28.5133

Details

The XYZ color **58.3891, 49.9376, 24.9738** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.3690, 57.9433, 103.1896**, and the grayscale version is **47.7223, 50.2076, 54.6760**.

A 20% lighter version of the original color is **75.0991, 76.5977, 51.3841**, and **29.5805, 23.8802, 9.1812** is the 20% darker color. If you saturate the color by 10%, you get **54.1130, 43.5910, 16.7496**, and if you desaturate by 10%, it is **63.4937, 57.2780, 35.5198**.

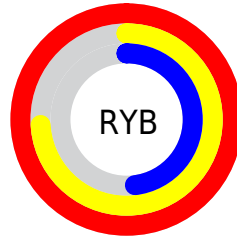
Distribution



Red (100%)

Green (65%)

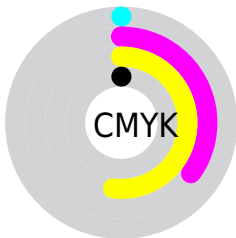
Blue (48%)



Red (100%)

Yellow (74%)

Blue (48%)

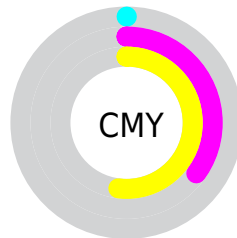


Cyan (0%)

Magenta (35%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.3891, 49.9376, 24.9738 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 58.3891, 49.9376, 24.9738 by changing the saturation by 10% instead.


 58.3891, 49.9376,
24.9738


 58.3891, 49.9376,
24.9738


408.5648,
386.4219, 291.1509


 42.3660, 35.3638,
15.8387


 101.6090, 90.0824,
52.5783

 29.5804, 23.9433,
9.2570


 129.5365,
116.4222, 71.8848

 19.6668, 15.2915,
4.8101


 162.1628,
147.4529, 95.4188

 12.2599, 9.0243,
2.0795

199.8534,
183.5587, 123.5989

 6.9944, 4.7570,
0.6035

242.9735,
225.1241, 156.8436

 3.5049, 2.1054,
0.0000

291.8885,

 1.4260, 0.6677,

272.5335, 195.5715

0.0000

346.9638,
326.1713, 240.2011

■ 0.2747, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3891, 49.9376,
24.9738

■ 58.3891, 49.9376,
24.9738

■ 54.1130, 43.5910,
16.7496

■ 63.4937, 57.2780,
35.5198

■ 50.6125, 38.1853,
10.6644

■ 69.4678, 65.6471,
48.5457

■ 47.8333, 33.6735,
6.5121

■ 76.3541, 75.0867,
64.1987

■ 45.7111, 30.0002,
4.0433

■ 84.1909, 85.6344,
82.6138

■ 44.4392, 27.6586,
2.9964

■ 93.0145, 97.3257,
103.9164

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



64.4938, 49.9376, 38.5288



58.3891, 49.9376, 24.9738



49.8120, 49.9376, 19.6916

Triad

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



58.3891, 49.9376, 24.9738



32.9132, 49.9376, 48.0222



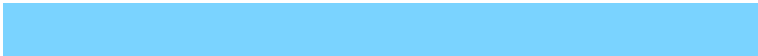
53.9147, 49.9376, 111.1167

Complementary

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



58.3891, 49.9376, 24.9738



49.3690, 57.9433, 103.1896

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.



45.1913, 49.9376, 115.9661



58.3891, 49.9376, 24.9738



33.7319, 49.9376, 74.0573

Square

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



58.3891, 49.9376, 24.9738



35.6053, 49.9376, 30.1196



37.9948, 49.9376, 100.7992



61.7011, 49.9376, 89.0488

Rectangle

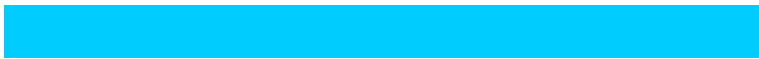
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.3891, 49.9376, 24.9738



44.1218, 49.9376, 19.9788



37.9948, 49.9376, 100.7992



50.9713, 49.9376, 115.0365

Sweetspot

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



58.3903, 49.9401, 24.9747



81.0640, 81.4469, 75.2006



60.1951, 39.9776, 67.4172



17.0052, 16.9677, 15.2833



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.



58.3903, 49.9401, 24.9747



53.7885, 43.0992, 16.1562



73.2216, 79.6026, 29.9185



18.5003, 18.9688, 18.8306



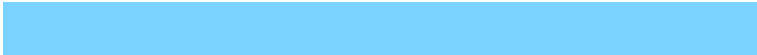
23.3418, 14.6949, 1.6061



2.3680, 1.6214, 0.1882

Inverse Universe

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



49.3690, 57.9433, 103.1896



43.7863, 51.7867, 102.2958



36.4145, 32.0342, 98.8714



18.0188, 19.4091, 23.0466



17.1468, 19.2033, 52.2375



1.7698, 2.0702, 5.1196

Previews

White Background



This preview shows how the XYZ color 58.3891, 49.9376, 24.9738 looks on a white background.

Color Contrast Check

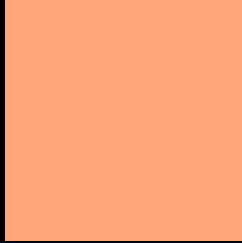
Large Text (above 18pt) WCAG AA × Fail

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 58.3891, 49.9376, 24.9738 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 58.3891, 49.9376, 24.9738

Background



This preview shows how black text looks on a background with the XYZ color 58.3891, 49.9376, 24.9738.



This preview shows how white text looks on a background with the XYZ color 58.3891, 49.9376,

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

58.3891, 49.9376, 24.9738

Protanopia

46.7086, 50.3016, 28.7201

Deuteranopia

51.3296, 50.3053, 24.4573



Tritanopia

61.7032, 50.1178, 45.9568

Trichromacy



Original Color

58.3891, 49.9376, 24.9738

Protanomaly

50.3417, 49.7306, 27.3677

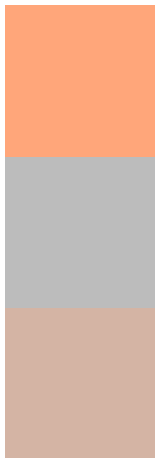
Deuteranomaly

53.6452, 50.0205, 24.5968

Tritanomaly

60.1699, 49.7875, 37.0105

Monochromacy



Original Color

58.3891, 49.9376, 24.9738

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

50.1735, 49.3199, 41.9972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3891, 49.9376, 24.9738 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, 166, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 122)  
}
```

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, 166, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 122) }
```

Border

The CSS property to change the border of an element to XYZ 58.3891, 49.9376, 24.9738 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, 166, 122) }
```


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

```
.border{ border-color:rgb(255, 166, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3891, 49.9376, 24.9738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 122) }
```

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

```
.background{ background-color: rgb(255,  
166, 122) }
```

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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