

Converting Colors

XYZ(86.2766, 64.7054, 21.7591)

Have a look what the booklet for
XYZ(86.2766, 64.7054, 21.7591)
contains.

XYZ(57.7126, 49.9590, 20.5112)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(57.7126, 49.9590,
20.5112)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA76B
RGB	255, 167, 107
RGB Percent	100%, 65%, 42%
CMY	0.0000, 0.3451, 0.5804
CMYK	0.00, 0.35, 0.58, 0.00
HSL	24°, 100%, 71%
HSV	24°, 58%, 100%
XYZ	57.7126, 49.9590, 20.5112
YIQ	186.4720, 71.7080, -0.0040

Conversions

Conversions Part 2

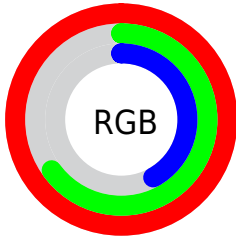
Format	Color
RYB	255, 208, 107
Decimal	16754539
CIELab	76.04, 26.65, 44.05
CIELCh	76, 51.484, 58.820
Yxy	49.9590, 0.4502, 0.3897
Android (android.graphics.Color)	4294944619 (0xFFFFA76B)
YUV	186.4720, -39.1797, 60.0991
Hunter-Lab	70.6817, 22.0549, 32.2717

Details

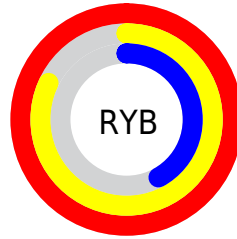
The XYZ color **57.7126, 49.9590, 20.5112** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **43.6274, 49.3736, 101.8380**, and the grayscale version is **47.1232, 49.5772, 53.9896**.

A 20% lighter version of the original color is **73.7064, 76.0406, 44.0503**, and **29.0040, 23.7994, 6.9360** is the 20% darker color. If you saturate the color by 10%, you get **53.9472, 44.2681, 13.5849**, and if you desaturate by 10%, it is **62.2015, 56.4645, 29.6307**.

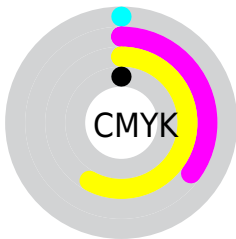
Distribution



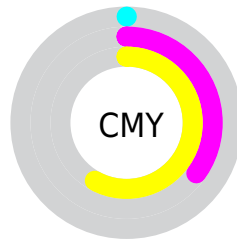
- Red (100%)
- Green (65%)
- Blue (42%)



- Red (100%)
- Yellow (82%)
- Blue (42%)



- Cyan (0%)
- Magenta (35%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (35%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.7126, 49.9590, 20.5112 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 57.7126, 49.9590, 20.5112 by changing the saturation by 10% instead.


 57.7126, 49.9590,
20.5112

 57.7126, 49.9590,
20.5112


406.0853,
386.5056, 267.3644

 41.8200, 35.3808,
12.5794


 100.6296, 90.1141,
45.1428


 29.1509, 23.9564,
7.0123


 128.3847,
116.4599, 62.6797

 19.3398, 15.3013,
3.3912


 160.8247,
147.4969, 84.2553

 12.0216, 9.0311,
1.2977

 198.3149,
183.6097, 110.2884

 6.8307, 4.7615,
0.0599

241.2207,
225.1825, 141.1972

 3.4018, 2.1080,
0.0000

289.9075,

 1.3696, 0.6691,

272.5998, 177.4005

0.0000

344.7406,
326.2461, 219.3167

■ 0.2344, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.7126, 49.9590,
20.5112

■ 57.7126, 49.9590,
20.5112

■ 53.9472, 44.2681,
13.5849

■ 62.2015, 56.4645,
29.6307

■ 50.8546, 39.3473,
8.6561

■ 67.4526, 63.8108,
41.1102

■ 48.3818, 35.1586,
5.4985

■ 73.5057, 72.0322,
55.1035

■ 46.4587, 31.6539,
3.8048

■ 80.3963, 81.1586,
71.7506

■ 46.1288, 31.0379,
3.5597

■ 88.1578, 91.2183,
91.1808

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.



65.5919, 49.9590, 32.6590



57.7126, 49.9590, 20.5112



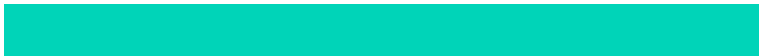
47.8663, 49.9590, 16.7780

Triad

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



57.7126, 49.9590, 20.5112



31.2968, 49.9590, 53.3137



56.9648, 49.9590, 115.2146

Complementary

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



57.7126, 49.9590, 20.5112



43.6274, 49.3736, 101.8380

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.



47.1048, 49.9590, 126.3517



57.7126, 49.9590, 20.5112



33.0600, 49.9590, 84.1171

Square

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



57.7126, 49.9590, 20.5112



33.3600, 49.9590, 31.3332



38.5425, 49.9590, 113.4256



65.1207, 49.9590, 86.6681

Rectangle

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



57.7126, 49.9590, 20.5112



41.7673, 49.9590, 18.0982



38.5425, 49.9590, 113.4256



53.7010, 49.9590, 121.4714

Sweetspot

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



57.7138, 49.9615, 20.5121



81.1615, 82.1597, 73.6369



56.4388, 35.7522, 56.0318



17.0570, 17.1731, 14.9861



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.



57.7138, 49.9615, 20.5121



53.2892, 43.2433, 12.4671



75.1127, 84.7594, 26.3118



18.6140, 19.1961, 18.8685



24.2407, 16.4927, 1.9058



2.4641, 1.8137, 0.2202

Inverse Universe

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



43.6274, 49.3736, 101.8380



37.9272, 42.4907, 100.8103



31.0488, 24.2163, 97.6451



17.9010, 19.1737, 23.0074



15.4160, 15.7415, 51.6605



1.6083, 1.7473, 5.0658

Previews

White Background



This preview shows how the XYZ color 57.7126, 49.9590, 20.5112 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 57.7126, 49.9590, 20.5112 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 57.7126, 49.9590, 20.5112

Background



This preview shows how black text looks on a background with the XYZ color 57.7126, 49.9590, 20.5112.



This preview shows how white text looks on a background with the XYZ color 57.7126, 49.9590,

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

57.7126, 49.9590, 20.5112

Protanopia

46.2546, 50.1834, 23.4681

Deuteranopia

50.9319, 49.8977, 20.0435



Tritanopia

61.6067, 50.0792, 45.4490

Trichromacy



Original Color

57.7126, 49.9590, 20.5112

Protanomaly

49.6773, 49.5003, 22.2655

Deuteranomaly

53.1397, 49.8570, 20.1872

Tritanomaly

59.8608, 49.9490, 34.5031

Monochromacy



Original Color

57.7126, 49.9590, 20.5112

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

49.0699, 48.5234, 38.6780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7126, 49.9590, 20.5112 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, 167, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 107)  
}
```

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, 167, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 107) }
```

Border

The CSS property to change the border of an element to XYZ 57.7126, 49.9590, 20.5112 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, 167, 107) }
```


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

```
.border{ border-color:rgb(255, 167, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 167, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7126, 49.9590, 20.5112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 107) }
```

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

```
.background{ background-color: rgb(255,  
167, 107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor