

Converting Colors

XYZ(57.5517, 49.1861, 21.8483)

Have a look what the booklet for
XYZ(57.5517, 49.1861, 21.8483)
contains.

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Color

**XYZ(57.6198, 49.3401,
21.8159)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA570
RGB	255, 165, 112
RGB Percent	100%, 65%, 44%
CMY	0.0000, 0.3529, 0.5608
CMYK	0.00, 0.35, 0.56, 0.00
HSL	22°, 100%, 72%
HSV	22°, 56%, 100%
XYZ	57.6198, 49.3401, 21.8159
YIQ	185.8680, 70.6530, 2.5970

Conversions

Conversions Part 2

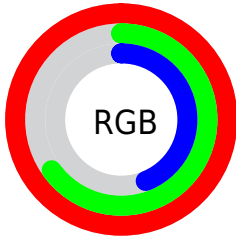
Format	Color
R _Y B	255, 196, 112
Decimal	16754032
CIE Lab	75.66, 28.07, 41.01
CIE LCh	76, 49.696, 55.605
Yxy	49.3401, 0.4474, 0.3831
Android (android.graphics.Color)	4294944112 (0xFFFFA570)
YUV	185.8680, -36.4169, 60.6288
Hunter-Lab	70.2425, 23.4988, 30.7555

Details

The XYZ color **57.6198, 49.3401, 21.8159** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.8515, 52.9033, 102.4022**, and the grayscale version is **46.7691, 49.2048, 53.5840**.

A 20% lighter version of the original color is **73.6247, 75.1630, 46.2248**, and **28.9395, 23.4166, 7.6972** is the 20% darker color. If you saturate the color by 10%, you get **53.6809, 43.4219, 14.4624**, and if you desaturate by 10%, it is **62.3263, 56.1505, 31.4092**.

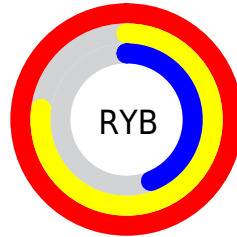
Distribution



Red (100%)

Green (65%)

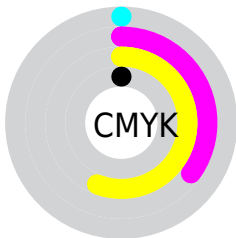
Blue (44%)



Red (100%)

Yellow (77%)

Blue (44%)

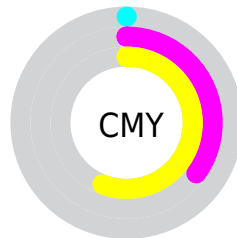


Cyan (0%)

Magenta (35%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.6198, 49.3401, 21.8159 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 57.6198, 49.3401, 21.8159 by changing the saturation by 10% instead.


 57.6198, 49.3401,
21.8159

 57.6198, 49.3401,
21.8159


405.7445,
384.0797, 274.5054

 41.7451, 34.8893,
13.5247


 100.4951, 89.1964,
47.3398


 29.0920, 23.5776,
7.6559


 128.2265,
115.3707, 65.4096

 19.2951, 15.0206,
3.7909

 160.6409,
146.2216, 87.5759

 11.9890, 8.8339,
1.5114

 198.1036,
182.1336, 114.2574

 6.8083, 4.6330,
0.2264

240.9799,
223.4910, 145.8725

 3.3878, 2.0336,
0.0000

289.6353,

 1.3620, 0.6269,

270.6782, 182.8399

0.0000

344.4350,
324.0796, 225.5780

■ 0.2289, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.6198, 49.3401,
21.8159

■ 57.6198, 49.3401,
21.8159

■ 53.6809, 43.4219,
14.4624

■ 62.3263, 56.1505,
31.4092

■ 50.4576, 38.3476,
9.1575

■ 67.8405, 63.8835,
43.4062

■ 47.8961, 34.0750,
5.6822

■ 74.2033, 72.5767,
57.9587

■ 45.9305, 30.5534,
3.7638

■ 81.4519, 82.2635,
75.2048

■ 45.2891, 29.3583,
3.2797

■ 89.6210, 92.9755,
95.2729

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.



64.7332, 49.3401, 34.6621



57.6198, 49.3401, 21.8159



48.2654, 49.3401, 17.3789

Triad

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



57.6198, 49.3401, 21.8159



31.3724, 49.3401, 49.9323



54.9673, 49.3401, 113.6117

Complementary

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



57.6198, 49.3401, 21.8159



45.8515, 52.9033, 102.4022

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.



45.5533, 49.3401, 121.7536



57.6198, 49.3401, 21.8159



32.6797, 49.3401, 78.7369

Square

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



57.6198, 49.3401, 21.8159



33.7571, 49.3401, 29.8783



37.5933, 49.3401, 107.3328



63.0666, 49.3401, 87.7385

Rectangle

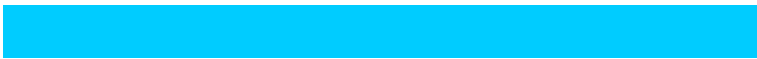
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.6198, 49.3401, 21.8159



42.2951, 49.3401, 18.2017



37.5933, 49.3401, 107.3328



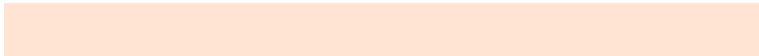
51.8196, 49.3401, 118.8114

Sweetspot

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



57.6210, 49.3426, 21.8168



80.7456, 81.3279, 73.4982



57.7622, 37.1398, 60.3541



16.9592, 16.9776, 14.9535



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.



57.6210, 49.3426, 21.8168



53.3545, 42.9192, 13.8905



74.1408, 82.3823, 27.3235



18.5608, 19.0898, 18.8508



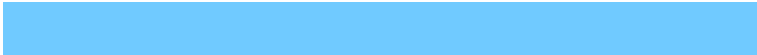
23.7951, 15.6014, 1.7572



2.4172, 1.7198, 0.2045

Inverse Universe

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



45.8515, 52.9033, 102.4022



40.4970, 46.6666, 101.4809



32.8577, 26.9157, 98.0709



17.9558, 19.2832, 23.0256



16.1913, 17.2921, 51.9189



1.6811, 1.8930, 5.0900

Previews

White Background



This preview shows how the XYZ color 57.6198, 49.3401, 21.8159 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 57.6198, 49.3401, 21.8159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

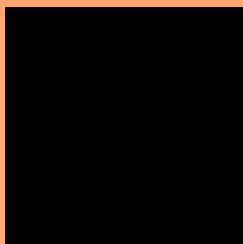
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.6198, 49.3401, 21.8159

Background



This preview shows how black text looks on a background with the XYZ color 57.6198, 49.3401, 21.8159.



This preview shows how white text looks on a background with the XYZ color 57.6198, 49.3401,

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

57.6198, 49.3401, 21.8159

Protanopia

45.7891, 49.5932, 24.9284

Deuteranopia

50.3593, 49.2758, 21.3250



Tritanopia

61.1615, 49.3419, 44.8285

Trichromacy



Original Color

57.6198, 49.3401, 21.8159

Protanomaly

49.4552, 49.0541, 23.6914

Deuteranomaly

52.6831, 49.0175, 21.4365

Tritanomaly

59.6654, 49.3027, 35.2258

Monochromacy



Original Color

57.6198, 49.3401, 21.8159

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

49.0424, 48.1929, 39.5182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6198, 49.3401, 21.8159 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, 165, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 112)  
}
```

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, 165, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 112) }
```

Border

The CSS property to change the border of an element to XYZ 57.6198, 49.3401, 21.8159 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, 165, 112) }
```


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

```
.border{ border-color:rgb(255, 165, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 165, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6198, 49.3401, 21.8159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 112) }
```

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

```
.background{ background-color: rgb(255,  
165, 112) }
```

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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