

Converting Colors

XYZ(64.0570, 59.7973, 31.4136)

Have a look what the booklet for
XYZ(64.0570, 59.7973, 31.4136)
contains.

XYZ(64.0974, 59.8645, 31.4693)	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(64.0974, 59.8645,
31.4693)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBE88
RGB	255, 190, 136
RGB Percent	100%, 75%, 53%
CMY	0.0000, 0.2549, 0.4667
CMYK	0.00, 0.25, 0.47, 0.00
HSL	27°, 100%, 77%
HSV	27°, 47%, 100%
XYZ	64.0974, 59.8645, 31.4693
YIQ	203.2790, 56.0740, -3.0140

Conversions

Conversions Part 2

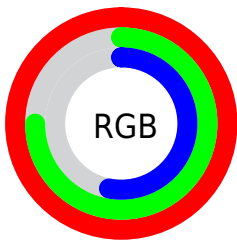
Format	Color
R_{YB}	255, 235, 136
Decimal	16760456
CIE _{Lab}	81.76, 17.07, 36.33
CIE _{LCh}	82, 40.137, 64.833
Yxy	59.8645, 0.4124, 0.3852
Android (android.graphics.Color)	4294950536 (0xFFFFBE88)
YUV	203.2790, -33.1685, 45.3593
Hunter-Lab	77.3722, 12.4735, 30.0457

Details

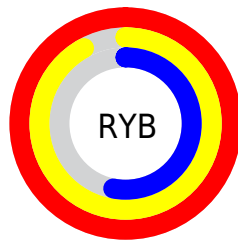
The XYZ color **64.0974, 59.8645, 31.4693** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.0891, 54.2253, 102.4868**, and the grayscale version is **57.1188, 60.0934, 65.4417**.

A 20% lighter version of the original color is **83.4900, 90.8892, 61.8582**, and **33.3503, 30.2830, 12.6818** is the 20% darker color. If you saturate the color by 10%, you get **59.6227, 53.4785, 22.0755**, and if you desaturate by 10%, it is **69.2945, 67.0053, 43.2319**.

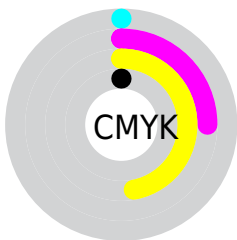
Distribution



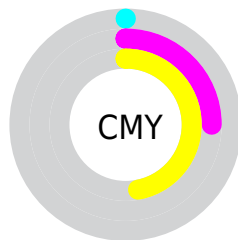
- Red (100%)
- Green (75%)
- Blue (53%)



- Red (100%)
- Yellow (92%)
- Blue (53%)



- Cyan (0%)
- Magenta (25%)
- Yellow (47%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.0974, 59.8645, 31.4693 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 64.0974, 59.8645, 31.4693 by changing the saturation by 10% instead.


 64.0974, 59.8645,
31.4693


 64.0974, 59.8645,
31.4693


429.1379,
424.0981, 323.1125


 46.9915, 43.3094,
20.6950


 109.8241,
104.6331, 63.0664

 33.2369, 30.1280,
12.7122


 139.1757,
133.6154, 84.7263

 22.4681, 19.9357,
7.1023


 173.3400,
167.5089, 110.8518

 14.3198, 12.3483,
3.4467

212.6822,
206.6980, 141.8615

 8.4266, 6.9814,
1.3270

257.5677,
251.5670, 178.1738

 4.4232, 3.4505,
0.0838

308.3620,

 1.9442, 1.3712,

302.5005, 220.2074

0.0000

365.4302,
359.8827, 268.3808

0.6023, 0.1953,
0.0000

0.0000, 0.0000,
0.0000

64.0974, 59.8645,
31.4693

64.0974, 59.8645,
31.4693

59.6227, 53.4785,
22.0755

69.2945, 67.0053,
43.2319

55.8268, 47.8101,
14.8806

75.2452, 74.9188,
57.5097

52.6676, 42.8313,
9.6977

81.9841, 83.6331,
74.4416

50.0949, 38.5080,
6.3060

89.5422, 93.1720,
94.1550

■ 48.0475, 34.8007, 95.0499, 99.9999,
4.4290 108.9000

■ 47.4538, 33.6878,
4.0013

Harmonies

Analogous

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



71.3153, 59.8645, 42.0396



64.0974, 59.8645, 31.4693



55.5407, 59.8645, 28.9228

Triad

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



64.0974, 59.8645, 31.4693



42.1877, 59.8645, 69.1842



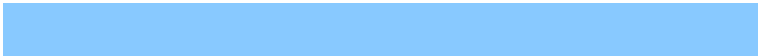
66.7003, 59.8645, 111.3593

Complementary

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



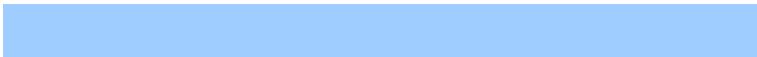
64.0974, 59.8645, 31.4693



49.0891, 54.2253, 102.4868

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.



58.2801, 59.8645, 123.4593



64.0974, 59.8645, 31.4693



44.5702, 59.8645, 95.5595

Square

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



64.0974, 59.8645, 31.4693



43.4164, 59.8645, 47.3181



50.2615, 59.8645, 117.0599



72.9194, 59.8645, 87.0567

Rectangle

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



64.0974, 59.8645, 31.4693



50.3408, 59.8645, 31.3986



50.2615, 59.8645, 117.0599



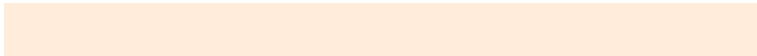
64.0042, 59.8645, 117.2298

Sweetspot

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



64.0989, 59.8674, 31.4705



83.9179, 86.0947, 79.4201



60.6401, 43.1071, 60.6612



17.6260, 18.0004, 16.1334



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.



64.0989, 59.8674, 31.4705



59.8993, 53.8813, 22.6308



79.5750, 90.8197, 36.6292



18.6884, 19.3449, 18.8933



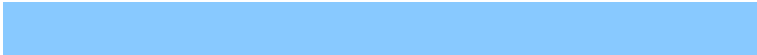
24.9404, 17.8920, 2.1390



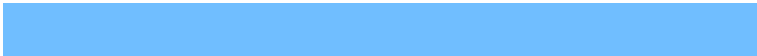
2.5358, 1.9570, 0.2441

Inverse Universe

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



49.0891, 54.2253, 102.4868



43.2129, 47.5885, 101.5157



37.8695, 31.7861, 98.7469



17.8253, 19.0221, 22.9821



14.4278, 13.7651, 51.3311



1.5140, 1.5587, 5.0343

Previews

White Background



This preview shows how the XYZ color 64.0974, 59.8645, 31.4693 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 64.0974, 59.8645, 31.4693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

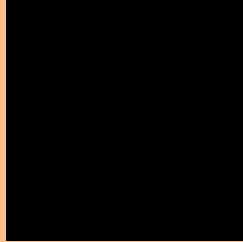
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.0974, 59.8645, 31.4693

Background



This preview shows how black text looks on a background with the XYZ color 64.0974, 59.8645, 31.4693.



This preview shows how white text looks on a background with the XYZ color 64.0974, 59.8645,

31.4693.

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

64.0974, 59.8645, 31.4693

Protanopia

55.7536, 59.8805, 34.2107

Deuteranopia

61.1965, 60.0126, 31.2799



Tritanopia

68.6670, 59.9891, 60.7832

Trichromacy



Original Color

64.0974, 59.8645, 31.4693

Protanomaly

58.5320, 59.6053, 33.2309

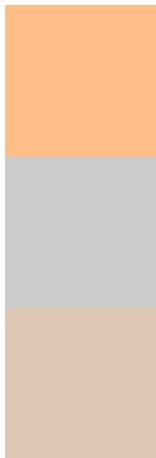
Deuteranomaly

62.1545, 59.8457, 31.1971

Tritanomaly

66.7482, 59.8958, 48.6005

Monochromacy



Original Color

64.0974, 59.8645, 31.4693

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

58.4550, 59.1724, 50.9883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0974, 59.8645, 31.4693 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, 190, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 136)  
}
```

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, 190, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 136) }
```

Border

The CSS property to change the border of an element to XYZ 64.0974, 59.8645, 31.4693 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, 190, 136) }
```


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

```
.border{ border-color:rgb(255, 190, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 190, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0974, 59.8645, 31.4693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 136) }
```

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

```
.background{ background-color: rgb(255,  
190, 136) }
```

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