

# Converting Colors

XYZ(63.5252, 59.4282, 36.6703)

Have a look what the booklet for  
XYZ(63.5252, 59.4282, 36.6703)  
contains.

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# Color

**XYZ(63.6219, 59.5061,  
36.5664)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBBE95
RGB	251, 190, 149
RGB Percent	98%, 75%, 58%
CMY	0.0157, 0.2549, 0.4157
CMYK	0.00, 0.24, 0.41, 0.02
HSL	24°, 93%, 78%
HSV	24°, 41%, 98%
XYZ	63.6219, 59.5061, 36.5664
YIQ	203.5650, 49.5170, 0.1810

# Conversions

## Conversions Part 2

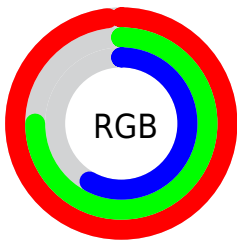
Format	Color
R <sub>Y</sub> B	251, 218, 149
Decimal	16498325
CIE Lab	81.57, 16.82, 29.20
CIE LCh	82, 33.704, 60.054
Yxy	59.5061, 0.3984, 0.3726
Android (android.graphics.Color)	4294688405 (0xFFFBBE95)
YUV	203.5650, -26.9005, 41.6005
Hunter-Lab	77.1402, 12.2237, 25.8932

# Details

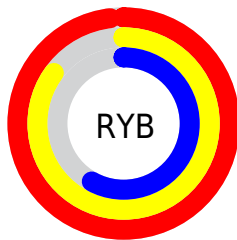
The XYZ color **63.6219, 59.5061, 36.5664** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.8526, 59.4454, 99.9550**, and the grayscale version is **57.2637, 60.2459, 65.6078**.

A 20% lighter version of the original color is **84.9753, 91.4833, 69.6793**, and **32.8885, 29.9796, 15.6085** is the 20% darker color. If you saturate the color by 10%, you get **58.7449, 52.6208, 26.0969**, and if you desaturate by 10%, it is **69.2686, 67.2394, 49.4241**.

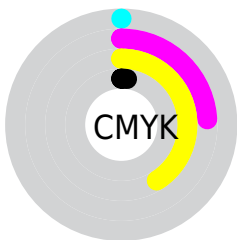
# Distribution



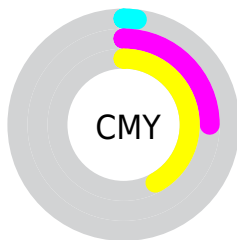
- Red (98%)
- Green (75%)
- Blue (58%)



- Red (98%)
- Yellow (85%)
- Blue (58%)



- Cyan (0%)
- Magenta (24%)
- Yellow (41%)
- Black (2%)




- Cyan (2%)
- Magenta (25%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6219, 59.5061, 36.5664 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 63.6219, 59.5061, 36.5664 by changing the saturation by 10% instead.





 63.6219, 59.5061,  
36.5664

 63.6219, 59.5061,  
36.5664


427.4469,  
422.7749, 346.5414

 46.6050, 43.0207,  
24.5788


 109.1430,  
104.1129, 71.0843

 32.9302, 29.9013,  
15.5474


 138.3780,  
133.0030, 94.4516

 22.2319, 19.7637,  
9.0536


172.4164,  
166.7968, 122.4493

 14.1450, 12.2234,  
4.6788

211.6235,  
205.8787, 155.4958

 8.3039, 6.8960,  
2.0047

256.3648,  
250.6330, 194.0097

 4.3435, 3.3971,  
0.5581

307.0055,

 1.8982, 1.3424,

301.4443, 238.4096

0.0000

363.9111,  
358.6967, 289.1140

0.5758, 0.1737,  
0.0000

0.0000, 0.0000,  
0.0000

63.6219, 59.5061,  
36.5664

63.6219, 59.5061,  
36.5664

58.7449, 52.6208,  
26.0969

69.2686, 67.2394,  
49.4241

54.5949, 46.5437,  
17.8611

75.7157, 75.8418,  
64.8040

51.1317, 41.2438,  
11.6920

82.9973, 85.3439,  
82.8343

48.3081, 36.6846,  
7.3966

91.1445, 95.7724,  
103.6335

■ 46.0694, 32.8254,  
4.7450

■ 93.5935, 99.2492,  
108.8318

■ 44.4281, 29.7983,  
3.4100

# Harmonies

## Analogous

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



69.1640, 59.5061, 47.1797



63.6219, 59.5061, 36.5664



56.5459, 59.5061, 33.1295

# Triad

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



63.6219, 59.5061, 36.5664



44.0213, 59.5061, 64.8288



63.6459, 59.5061, 104.6837

# Complementary

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



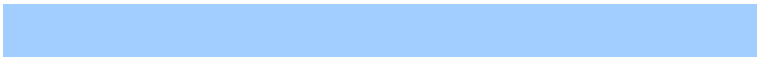
63.6219, 59.5061, 36.5664



52.8526, 59.4454, 99.9550

# 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.



56.5716, 59.5061, 112.0598



63.6219, 59.5061, 36.5664



45.5864, 59.5061, 86.3184

# Square

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



63.6219, 59.5061, 36.5664



45.5753, 59.5061, 47.2313



50.0387, 59.5061, 104.7343



69.1787, 59.5061, 86.2413



# Rectangle

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



63.6219, 59.5061, 36.5664



52.0228, 59.5061, 34.6623



50.0387, 59.5061, 104.7343



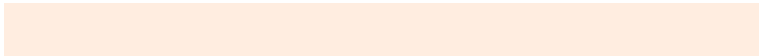
61.3510, 59.5061, 108.6920

# Sweetspot

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



63.6234, 59.5089, 36.5676



84.9468, 87.0593, 83.1327



62.1891, 46.6678, 66.8339



17.9635, 18.3508, 17.2474



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

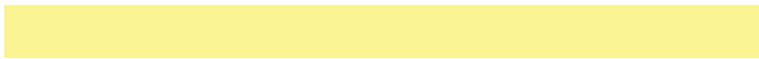
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.6234, 59.5089, 36.5676



61.6509, 55.6295, 28.6249



76.6046, 85.4713, 40.8947



17.8173, 18.3705, 18.0692



23.4868, 15.9302, 1.8369



2.2760, 1.6769, 0.2037



# Inverse Universe

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



52.8526, 59.4454, 99.9550



49.0395, 55.5215, 102.7398



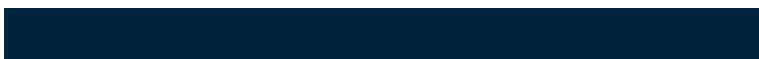
42.2401, 38.2204, 96.4175



17.1463, 18.3694, 22.0272



15.0400, 15.4356, 50.1602



1.4968, 1.6372, 4.6803



# Previews

## White Background



This preview shows how the XYZ color 63.6219, 59.5061, 36.5664 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

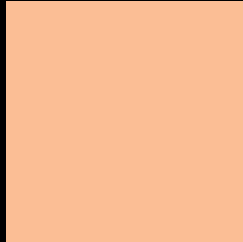
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.6219, 59.5061, 36.5664 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

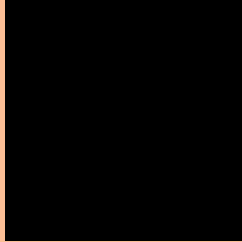
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.6219, 59.5061, 36.5664

## Background



This preview shows how black text looks on a background with the XYZ color 63.6219, 59.5061, 36.5664.



This preview shows how white text looks on a background with the XYZ color 63.6219, 59.5061,



# 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

63.6219, 59.5061, 36.5664

### Protanopia

55.8876, 59.8301, 39.6131

### Deuteranopia

60.7956, 59.6936, 36.3347



## Tritanopia

68.5735, 59.6182, 61.3193

# Trichromacy



**Original Color**

63.6219, 59.5061, 36.5664

**Protanomaly**

58.2570, 59.3461, 38.5215

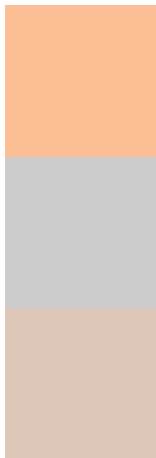
**Deuteranomaly**

61.7235, 59.5111, 36.2506

**Tritanomaly**

66.6702, 59.4839, 51.1477

# Monochromacy



**Original Color**

63.6219, 59.5061, 36.5664

**Achromatopsia**

57.3938, 60.3827, 65.7568

**Achromatomaly**

58.8939, 59.6797, 53.7627

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.6219, 59.5061, 36.5664 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(251, 190, 149)` looks like.

```
.text, #text, p{  
    color:rgb(251, 190, 149)  
}
```

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(251, 190, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 190, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 63.6219, 59.5061, 36.5664 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(251, 190, 149) }
```



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

```
.border{ border-color:rgb(251, 190, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 190, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 190, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 190, 149);  
box-shadow:4px 4px 4px 4px rgb(251, 190,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.6219, 59.5061, 36.5664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 190, 149) }
```

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

```
.background{ background-color: rgb(251,  
190, 149) }
```

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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