

Converting Colors

XYZ(68.2422, 65.8391, 50.4719)

Have a look what the booklet for
XYZ(68.2422, 65.8391, 50.4719)
contains.

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Color

**XYZ(68.3587, 66.0259,
50.7364)**

Conversions

Conversions Part 1

Format	Color
Hex	F9CBB1
RGB	249, 203, 177
RGB Percent	98%, 80%, 69%
CMY	0.0235, 0.2039, 0.3059
CMYK	0.00, 0.18, 0.29, 0.02
HSL	22°, 86%, 84%
HSV	22°, 29%, 98%
XYZ	68.3587, 66.0259, 50.7364
YIQ	213.7900, 35.7620, 1.6660

Conversions

Conversions Part 2

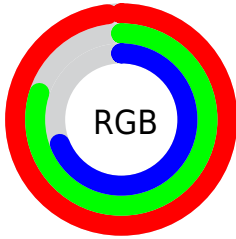
Format	Color
R _Y B	249, 218, 177
Decimal	16370609
CIE Lab	85.01, 12.59, 19.10
CIE LCh	85, 22.877, 56.609
Yxy	66.0259, 0.3693, 0.3567
Android (android.graphics.Color)	4294560689 (0xFFF9CBB1)
YUV	213.7900, -18.1375, 30.8792
Hunter-Lab	81.2563, 7.9686, 19.8588

Details

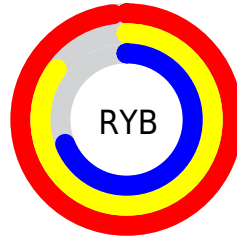
The XYZ color **68.3587, 66.0259, 50.7364** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.6174, 68.9601, 99.6859**, and the grayscale version is **63.8780, 67.2046, 73.1858**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **36.1238, 34.1566, 23.7577** is the 20% darker color. If you saturate the color by 10%, you get **62.5343, 57.9930, 37.6473**, and if you desaturate by 10%, it is **75.0249, 75.0170, 66.3416**.

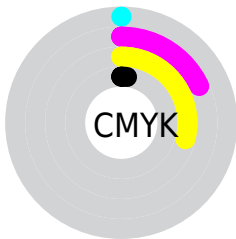
Distribution



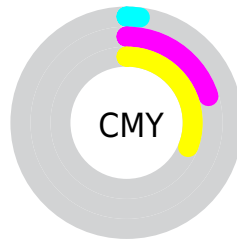
- Red (98%)
- Green (80%)
- Blue (69%)



- Red (98%)
- Yellow (85%)
- Blue (69%)



- Cyan (0%)
- Magenta (18%)
- Yellow (29%)
- Black (2%)




- Cyan (2%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3587, 66.0259, 50.7364 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 68.3587, 66.0259, 50.7364 by changing the saturation by 10% instead.

 68.3587, 66.0259,
50.7364

 68.3587, 66.0259,
50.7364

444.1227,
446.4695, 406.3560

 50.4643, 48.2934,
35.6236


 115.9042,
113.5235, 92.6725

 36.0018, 34.0593,
23.8562

146.2861,
144.0574, 120.3329

 24.6057, 22.9392,
15.0158


181.5613,
179.6273, 153.0129

 15.9107, 14.5486,
8.6837

222.0950,
220.6175, 191.1311

 9.5514, 8.5032,
4.4415

268.2526,
267.4124, 235.1059

 5.1625, 4.4186,
1.8705

320.3995,

 2.3787, 1.9104,

320.3965, 285.3560

0.4739

378.9011,
379.9540, 342.2999

■ 0.8345, 0.5546,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.3587, 66.0259,
50.7364

■ 68.3587, 66.0259,
50.7364

■ 62.5343, 57.9930,
37.6473

■ 75.0249, 75.0170,
66.3416

■ 57.5103, 50.8761,
26.9366

■ 82.5615, 84.9883,
84.5826

■ 53.2493, 44.6431,
18.4594

■ 91.0022, 95.9726,
105.5762

■ 49.7085, 39.2566,
12.0531

■ 92.8771, 98.8798,
108.7983

■ 46.8400, 34.6758,
7.5327

■ 44.5888, 30.8556,
4.6794

■ 42.8796, 27.7411,
3.1721

■ 42.7176, 27.4409,
3.0452

Harmonies

Analogous

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



72.0220, 66.0259, 59.9337



68.3587, 66.0259, 50.7364



63.3426, 66.0259, 47.1565

Triad

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



68.3587, 66.0259, 50.7364



53.3897, 66.0259, 70.2283



67.2914, 66.0259, 100.3120

Complementary

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



68.3587, 66.0259, 50.7364



61.6174, 68.9601, 99.6859

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.



62.1724, 66.0259, 104.0422



68.3587, 66.0259, 50.7364



54.3202, 66.0259, 85.3414

Square

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



68.3587, 66.0259, 50.7364



54.8534, 66.0259, 57.3994



57.4674, 66.0259, 98.2341



71.3826, 66.0259, 88.6368

Rectangle

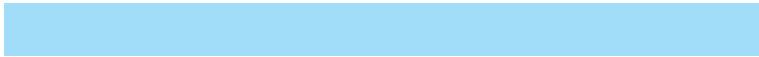
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.3587, 66.0259, 50.7364



59.9703, 66.0259, 48.0166



57.4674, 66.0259, 98.2341



65.6259, 66.0259, 102.6000

Sweetspot

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



68.3604, 66.0290, 50.7378



87.0726, 89.6090, 89.0882



68.2171, 56.9558, 77.7776



18.3768, 18.8380, 18.4309



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.



68.3604, 66.0290, 50.7378



68.2907, 64.3854, 44.7846



77.6360, 84.5802, 53.8296



17.7577, 18.2513, 18.0493



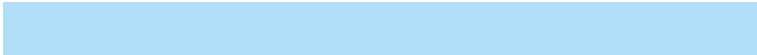
22.9884, 14.9334, 1.6708



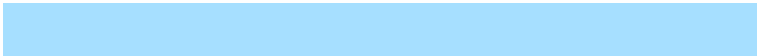
2.2257, 1.5763, 0.1869

Inverse Universe

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



61.6174, 68.9601, 99.6859



60.0484, 67.9498, 104.5585



53.1717, 52.0686, 96.8707



17.2078, 18.4924, 22.0477



15.9351, 17.2257, 50.4586



1.5764, 1.7964, 4.7068

Previews

White Background



This preview shows how the XYZ color 68.3587, 66.0259, 50.7364 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 68.3587, 66.0259, 50.7364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

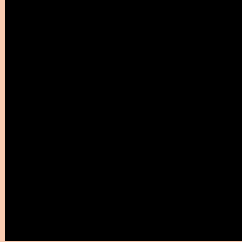
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3587, 66.0259, 50.7364

Background



This preview shows how black text looks on a background with the XYZ color 68.3587, 66.0259, 50.7364.



This preview shows how white text looks on a background with the XYZ color 68.3587, 66.0259,

50.7364.

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

68.3587, 66.0259, 50.7364

Protanopia

62.3154, 66.1111, 53.1924

Deuteranopia

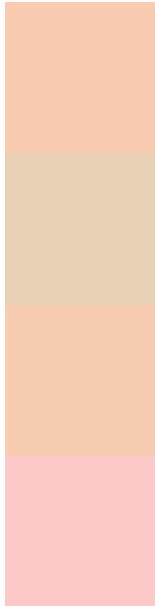
67.5347, 65.9529, 50.7657



Tritanopia

72.7123, 66.0749, 71.8722

Trichromacy



Original Color

68.3587, 66.0259, 50.7364

Protanomaly

64.3174, 66.0520, 52.5394

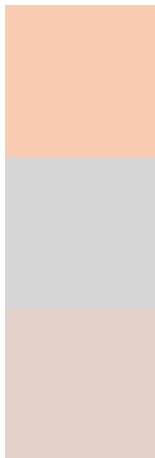
Deuteranomaly

67.8864, 66.1342, 50.7822

Tritanomaly

71.2245, 66.1741, 63.6625

Monochromacy



Original Color

68.3587, 66.0259, 50.7364

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.2678, 66.6411, 64.6814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3587, 66.0259, 50.7364 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(249, 203, 177)` looks like.

```
.text, #text, p{  
    color:rgb(249, 203, 177)  
}
```

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(249, 203, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 203, 177) }
```

Border

The CSS property to change the border of an element to XYZ 68.3587, 66.0259, 50.7364 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(249, 203, 177) }
```


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

```
.border{ border-color:rgb(249, 203, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 203, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 203, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 203, 177);  
box-shadow:4px 4px 4px 4px rgb(249, 203,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3587, 66.0259, 50.7364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 203, 177) }
```

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

```
.background{ background-color: rgb(249,  
203, 177) }
```

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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