

Converting Colors

XYZ(64.5182, 64.0822, 46.9988)

Have a look what the booklet for
XYZ(64.5182, 64.0822, 46.9988)
contains.

XYZ(64.5468, 64.1394, 47.0084)	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(64.5468, 64.1394,
47.0084)**

Conversions

Conversions Part 1

Format	Color
Hex	F0CBAA
RGB	240, 203, 170
RGB Percent	94%, 80%, 67%
CMY	0.0588, 0.2039, 0.3333
CMYK	0.00, 0.15, 0.29, 0.06
HSL	28°, 70%, 80%
HSV	28°, 29%, 94%
XYZ	64.5468, 64.1394, 47.0084
YIQ	210.3010, 32.6450, -2.4190

Conversions

Conversions Part 2

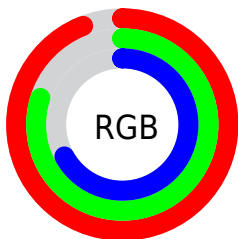
Format	Color
R _Y B	240, 232, 170
Decimal	15780778
CIE Lab	84.04, 8.29, 21.32
CIE LCh	84, 22.876, 68.752
Yxy	64.1394, 0.3674, 0.3651
Android (android.graphics.Color)	4293970858 (0xFFFF0CBAA)
YUV	210.3010, -19.8684, 26.0460
Hunter-Lab	80.0871, 3.7111, 21.2597

Details

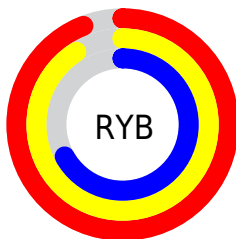
The XYZ color **64.5468, 64.1394, 47.0084** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.6180, 59.4612, 91.0367**, and the grayscale version is **61.5692, 64.7756, 70.5406**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **33.5459, 32.8702, 21.7161** is the 20% darker color. If you saturate the color by 10%, you get **59.6070, 57.5672, 35.1648**, and if you desaturate by 10%, it is **70.1496, 71.3735, 61.1192**.

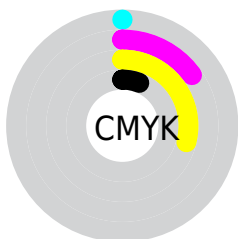
Distribution



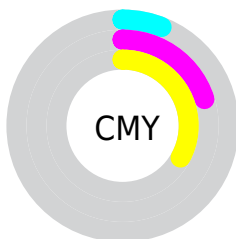
- Red (94%)
- Green (80%)
- Blue (67%)



- Red (94%)
- Yellow (91%)
- Blue (67%)



- Cyan (0%)
- Magenta (15%)
- Yellow (29%)
- Black (6%)





- Cyan (6%)
- Magenta (20%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5468, 64.1394, 47.0084 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 64.5468, 64.1394, 47.0084 by changing the saturation by 10% instead.


 64.5468, 64.1394,
47.0084

 64.5468, 64.1394,
47.0084


430.7326,
439.6929, 391.2428

 47.3570, 46.7636,
32.6879


 110.4674,
110.8117, 87.0763

 33.5271, 32.8488,
21.6183

139.9289,
140.8769, 113.6607

 22.6917, 22.0106,
13.3811


174.2117,
175.9408, 145.1703

 14.4855, 13.8647,
7.5577

213.6812,
216.3876, 182.0234

 8.5430, 8.0266,
3.7296

258.7026,
262.6019, 224.6387

 4.4991, 4.1120,
1.4782

309.6414,

 1.9882, 1.7364,

314.9679, 273.4346

0.2016

366.8630,
373.8701, 328.8298

■ 0.6273, 0.4471,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.5468, 64.1394,
47.0084

■ 64.5468, 64.1394,
47.0084

■ 59.6070, 57.5672,
35.1648

■ 70.1496, 71.3735,
61.1192

■ 55.2967, 51.6274,
25.4635

■ 76.4368, 79.2802,
77.6049

■ 51.5868, 46.3008,
17.7737

■ 83.4350, 87.8812,
96.5711

■ 48.4434, 41.5639,
11.9483

■ 89.3453, 96.4653,
108.5184

■ 45.8287, 37.3910,
7.8195

■ 89.7453, 97.2653,
108.6517

■ 43.6984, 33.7533,
5.1893

■ 41.9881, 30.6135,
3.7535

■ 41.8582, 30.3713,
3.6561

Harmonies

Analogous

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



68.8464, 64.1394, 53.8477



64.5468, 64.1394, 47.0084



59.4982, 64.1394, 45.8163

Triad

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



64.5468, 64.1394, 47.0084



51.8672, 64.1394, 74.1508



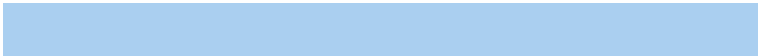
67.2397, 64.1394, 93.8254

Complementary

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



64.5468, 64.1394, 47.0084



54.6180, 59.4612, 91.0367

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.



62.4508, 64.1394, 101.0574



64.5468, 64.1394, 47.0084



53.7048, 64.1394, 88.7140

Square

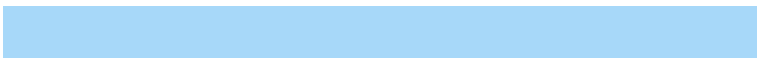
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.5468, 64.1394, 47.0084



52.3595, 64.1394, 60.2431



57.5136, 64.1394, 99.0679



70.4598, 64.1394, 80.3988

Rectangle

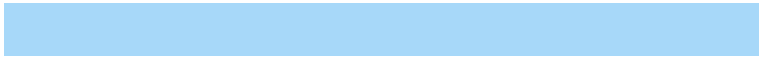
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.5468, 64.1394, 47.0084



56.4136, 64.1394, 48.1987



57.5136, 64.1394, 99.0679



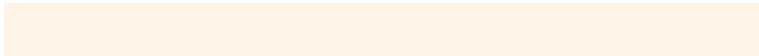
65.7497, 64.1394, 97.1402

Sweetspot

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



64.5485, 64.1424, 47.0097



87.8246, 91.1130, 89.3389



61.6137, 51.7968, 65.9964



18.5615, 19.2076, 18.4925



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.



64.5485, 64.1424, 47.0097



70.6148, 69.0336, 45.5593



73.6688, 82.3829, 50.0498



16.3874, 16.9879, 16.5650



23.0447, 16.8876, 2.0450



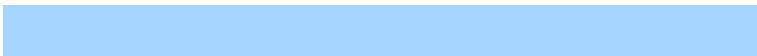
2.0159, 1.6026, 0.2031

Inverse Universe

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



54.6180, 59.4612, 91.0367



57.4973, 62.8476, 103.7081



47.1225, 44.4703, 88.5382



15.5888, 16.6117, 20.1064



12.8876, 11.9994, 46.7647



1.1717, 1.1974, 3.9236

Previews

White Background



This preview shows how the XYZ color 64.5468, 64.1394, 47.0084 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 64.5468, 64.1394, 47.0084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

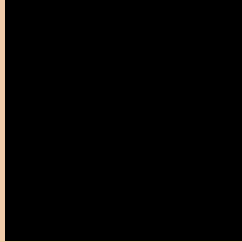
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5468, 64.1394, 47.0084

Background



This preview shows how black text looks on a background with the XYZ color 64.5468, 64.1394, 47.0084.



This preview shows how white text looks on a background with the XYZ color 64.5468, 64.1394,

47.0084.

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

64.5468, 64.1394, 47.0084

Protanopia

60.4675, 64.1477, 48.7299

Deuteranopia

65.6845, 64.3764, 46.9942



Tritanopia

69.5061, 64.0984, 70.9962

Trichromacy



Original Color

64.5468, 64.1394, 47.0084

Protanomaly

62.0723, 64.2622, 48.1620

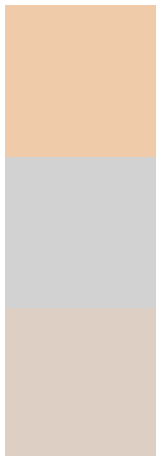
Deuteranomaly

65.3384, 64.1980, 46.9780

Tritanomaly

67.4636, 63.9328, 61.6079

Monochromacy



Original Color

64.5468, 64.1394, 47.0084

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

61.9819, 63.9379, 60.7042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5468, 64.1394, 47.0084 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(240, 203, 170)` looks like.

```
.text, #text, p{  
    color:rgb(240, 203, 170)  
}
```

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(240, 203, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 203, 170) }
```

Border

The CSS property to change the border of an element to XYZ 64.5468, 64.1394, 47.0084 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(240, 203, 170) }
```


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

```
.border{ border-color:rgb(240, 203, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 203, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 203, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 203, 170); box-shadow:4px 4px 4px 4px rgb(240, 203, 170) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5468, 64.1394, 47.0084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 203, 170) }
```

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

```
.background{ background-color: rgb(240,  
203, 170) }
```

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