

Converting Colors

XYZ(68.5602, 63.9610, 47.8444)

Have a look what the booklet for
XYZ(68.5602, 63.9610, 47.8444)
contains.

XYZ(68.6526, 64.1711, 47.7976)	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(68.6526, 64.1711,
47.7976)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC5AC
RGB	255, 197, 172
RGB Percent	100%, 77%, 67%
CMY	0.0000, 0.2274, 0.3255
CMYK	0.00, 0.23, 0.33, 0.00
HSL	18°, 100%, 84%
HSV	18°, 33%, 100%
XYZ	68.6526, 64.1711, 47.7976
YIQ	211.4920, 42.5930, 4.5210

Conversions

Conversions Part 2

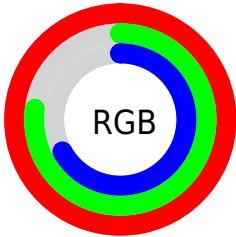
Format	Color
R _Y B	255, 208, 172
Decimal	16762284
CIE Lab	84.05, 17.35, 20.51
CIE LCh	84, 26.860, 49.773
Yxy	64.1711, 0.3801, 0.3553
Android (android.graphics.Color)	4294952364 (0xFFFFC5AC)
YUV	211.4920, -19.4696, 38.1565
Hunter-Lab	80.1069, 12.7897, 20.6981

Details

The XYZ color **68.6526, 64.1711, 47.7976** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.3590, 72.5816, 105.2779**, and the grayscale version is **62.3489, 65.5959, 71.4339**.

A 20% lighter version of the original color is **90.5469, 97.6897, 86.7567**, and **36.2386, 32.8713, 22.2041** is the 20% darker color. If you saturate the color by 10%, you get **62.6254, 55.6670, 34.8432**, and if you desaturate by 10%, it is **75.6313, 73.8256, 63.3887**.

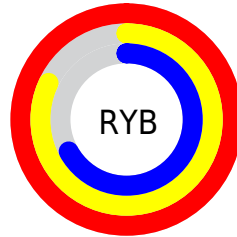
Distribution



Red (100%)

Green (77%)

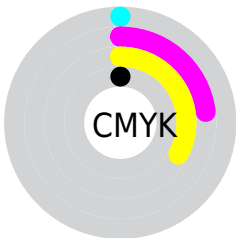
Blue (67%)



Red (100%)

Yellow (82%)

Blue (67%)

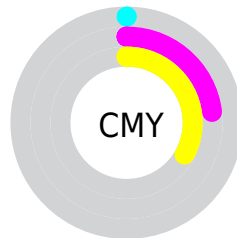


Cyan (0%)

Magenta (23%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (23%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.6526, 64.1711, 47.7976 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 68.6526, 64.1711, 47.7976 by changing the saturation by 10% instead.


 68.6526, 64.1711,
47.7976

 68.6526, 64.1711,
47.7976

445.1453,
439.8073, 394.4748

 50.7044, 46.7893,
33.3078


 116.3220,
110.8573, 88.2654

 36.1935, 32.8691,
22.0893


146.7740,
140.9305, 115.0804

 24.7545, 22.0262,
13.7236


182.1247,
176.0029, 146.8410

 16.0220, 13.8761,
7.7921

222.7394,
216.4589, 183.9655

 9.6307, 8.0346,
3.8764

268.9834,
262.6830, 226.8726

 5.2152, 4.1171,
1.5578

321.2222,

 2.4101, 1.7393,

315.0595, 275.9809

0.2604

379.8210,
373.9727, 331.7088

■ 0.8501, 0.4489,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.6526, 64.1711,
47.7976

■ 68.6526, 64.1711,
47.7976

■ 62.6254, 55.6670,
34.8432

■ 75.6313, 73.8256,
63.3887

■ 57.5011, 48.2603,
24.3742

■ 83.5971, 84.6630,
81.7487

■ 53.2342, 41.9070,
16.2295

■ 92.5897, 96.7255,
103.0054

■ 49.7727, 36.5566,
10.2274

95.0500, 100.0000,
108.9000

■ 47.0581, 32.1536,
6.1586

■ 45.0222, 28.6364,
3.7706

■ 43.8816, 26.5432,
2.8105

Harmonies

Analogous

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



72.3578, 64.1711, 59.4016



68.6526, 64.1711, 47.7976



63.0386, 64.1711, 42.4224

Triad

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



68.6526, 64.1711, 47.7976



50.4509, 64.1711, 64.2353



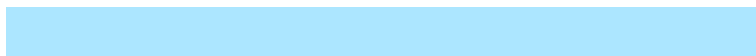
64.9298, 64.1711, 105.3051

Complementary

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



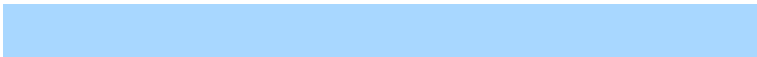
68.6526, 64.1711, 47.7976



63.3590, 72.5816, 105.2779

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.



58.9916, 64.1711, 107.1638



68.6526, 64.1711, 47.7976



50.8847, 64.1711, 81.5044

Square

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



68.6526, 64.1711, 47.7976



52.6990, 64.1711, 50.8418



53.9249, 64.1711, 97.8699



70.1139, 64.1711, 93.1402

Rectangle

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



68.6526, 64.1711, 47.7976



59.0786, 64.1711, 42.3901



53.9249, 64.1711, 97.8699



62.9477, 64.1711, 107.2236

Sweetspot

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



68.6543, 64.1741, 47.7989



85.7898, 87.6192, 86.8859



70.2898, 56.4845, 82.1348



18.1019, 18.4030, 17.9858



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.



68.6543, 64.1741, 47.7989



64.6589, 58.5574, 39.1479



79.3777, 85.6210, 51.3734



18.4555, 18.8791, 18.8157



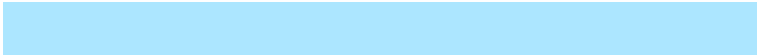
23.0427, 14.0966, 1.5064



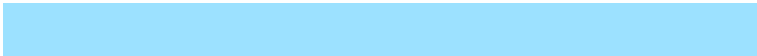
2.3345, 1.5544, 0.1770

Inverse Universe

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



63.3590, 72.5816, 105.2779



58.6090, 68.1144, 104.6661



53.1755, 52.2147, 101.8835



18.0658, 19.5032, 23.0623



17.9058, 20.7212, 52.4904



1.8394, 2.2095, 5.1428

Previews

White Background



This preview shows how the XYZ color 68.6526, 64.1711, 47.7976 looks on a white background.

Color Contrast Check

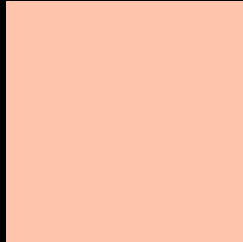
Large Text (above 18pt) WCAG AA × Fail

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 68.6526, 64.1711, 47.7976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

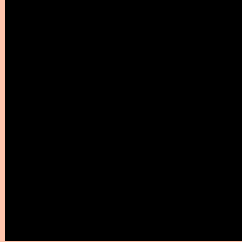
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6526, 64.1711, 47.7976

Background



This preview shows how black text looks on a background with the XYZ color 68.6526, 64.1711, 47.7976.



This preview shows how white text looks on a background with the XYZ color 68.6526, 64.1711,

47.7976.

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

68.6526, 64.1711, 47.7976

Protanopia

60.6551, 64.1874, 51.3120

Deuteranopia

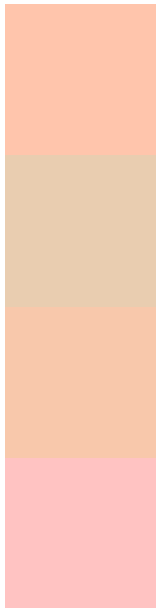
65.7794, 64.4144, 47.4944



Tritanopia

71.7943, 64.3486, 67.6680

Trichromacy



Original Color

68.6526, 64.1711, 47.7976

Protanomaly

63.2721, 64.1209, 50.1161

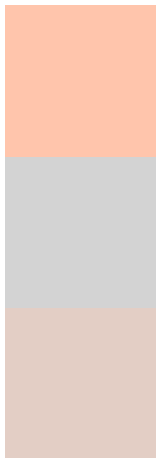
Deuteranomaly

66.7164, 64.2053, 47.4046

Tritanomaly

70.4927, 64.1853, 59.7126

Monochromacy



Original Color

68.6526, 64.1711, 47.7976

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

63.8279, 64.5047, 61.9099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6526, 64.1711, 47.7976 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, 197, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 172)  
}
```

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, 197, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 172) }
```

Border

The CSS property to change the border of an element to XYZ 68.6526, 64.1711, 47.7976 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, 197, 172) }
```


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

```
.border{ border-color:rgb(255, 197, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 197, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6526, 64.1711, 47.7976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 172) }
```

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

```
.background{ background-color: rgb(255,  
197, 172) }
```

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