

# Converting Colors

XYZ(78.1024, 78.1925, 65.9858)

Have a look what the booklet for  
XYZ(78.1024, 78.1925, 65.9858)  
contains.

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# Color

**XYZ(78.1703, 78.2524,  
66.2425)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDFC9
RGB	255, 223, 201
RGB Percent	100%, 87%, 79%
CMY	0.0000, 0.1255, 0.2118
CMYK	0.00, 0.13, 0.21, 0.00
HSL	24°, 100%, 89%
HSV	24°, 21%, 100%
XYZ	78.1703, 78.2524, 66.2425
YIQ	230.0600, 26.1340, -0.0580

# Conversions

## Conversions Part 2

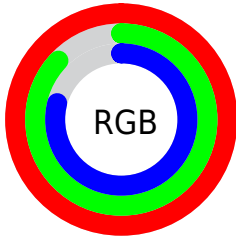
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 238, 201
Decimal	16768969
CIE <sub>Lab</sub>	90.89, 7.70, 14.83
CIE <sub>LCh</sub>	91, 16.715, 62.553
Y <sub>xy</sub>	78.2524, 0.3511, 0.3514
Android (android.graphics.Color)	4294959049 (0xFFFFDFC9)
Y <sub>UV</sub>	230.0600, -14.3266, 21.8724
Hunter-Lab	88.4604, 2.9304, 17.5237

# Details

The XYZ color **78.1703, 78.2524, 66.2425** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.2754, 77.9130, 105.8898**, and the grayscale version is **75.3490, 79.2730, 86.3283**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5578, 42.1176, 33.4902** is the 20% darker color. If you saturate the color by 10%, you get **71.5582, 69.4367, 50.4474**, and if you desaturate by 10%, it is **85.6444, 87.9946, 84.7836**.

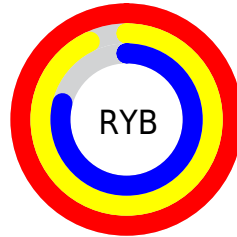
# Distribution



Red (100%)

Green (87%)

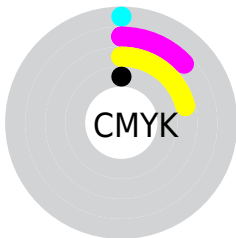
Blue (79%)



Red (100%)

Yellow (93%)

Blue (79%)

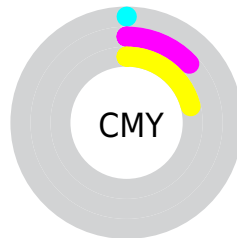


Cyan (0%)

Magenta (13%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1703, 78.2524, 66.2425 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 78.1703, 78.2524, 66.2425 by changing the saturation by 10% instead.




 78.1703, 78.2524,  
66.2425

 78.1703, 78.2524,  
66.2425


477.5760,  
489.0236, 465.6715

 58.5172, 58.2813,  
48.0116


129.7543,  
130.9059, 115.4646

 42.4694, 42.0349,  
33.4760


162.4158,  
164.3571, 147.2929

 29.6618, 29.1286,  
22.2172


200.1441,  
203.0704, 184.4907

 19.7288, 19.1781,  
13.8168

243.3047,  
247.4304, 227.4766

 12.3052, 11.7991,  
7.8560

292.2628,  
297.8212, 276.6691

 7.0255, 6.6070,  
3.9165

347.3838,

 3.5246, 3.2176,

354.6275, 332.4867

1.5797

409.0331,  
418.2335, 395.3480

■ 1.4368, 1.2463,  
0.2762

■ 0.2822, 0.0991,  
0.0000

■ 78.1703, 78.2524,  
66.2425

■ 78.1703, 78.2524,  
66.2425

■ 71.5582, 69.4367,  
50.4474

■ 85.6444, 87.9946,  
84.7836

■ 65.7685, 61.5088,  
37.2609

■ 94.0068, 98.6801,  
106.1893

■ 60.7668, 54.4417,  
26.5411

95.0500, 100.0000,  
108.9000

■ 56.5135, 48.2034,  
18.1304

■ 52.9652, 42.7595,  
11.8527

■ 50.0730, 38.0723,  
7.5060

■ 47.7797, 34.0998,  
4.8483

■ 46.1816, 31.1433,  
3.5772

# Harmonies

## Analogous

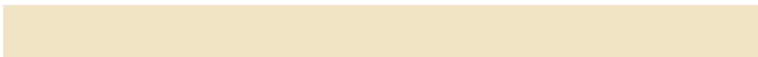
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4101, 78.2524, 73.3288



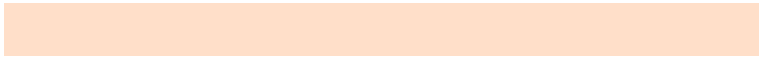
78.1703, 78.2524, 66.2425



74.0166, 78.2524, 64.0796

# Triad

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



78.1703, 78.2524, 66.2425



66.5797, 78.2524, 86.2402



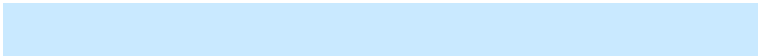
78.8175, 78.2524, 106.2753

# Complementary

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



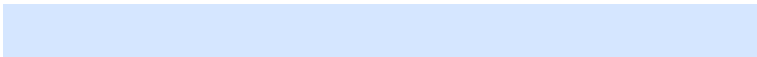
78.1703, 78.2524, 66.2425



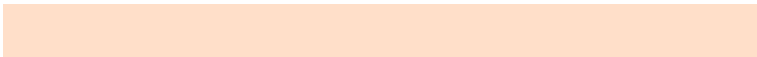
71.2754, 77.9130, 105.8898

# 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.



74.7376, 78.2524, 110.5240



78.1703, 78.2524, 66.2425



67.7603, 78.2524, 98.2957

# Square

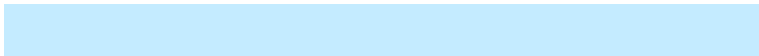
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1703, 78.2524, 66.2425



67.4221, 78.2524, 74.9587



70.7076, 78.2524, 107.4761



81.7936, 78.2524, 96.3418



# Rectangle

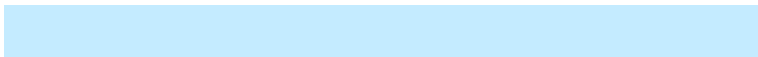
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.1703, 78.2524, 66.2425



71.3151, 78.2524, 65.5376



70.7076, 78.2524, 107.4761



77.5244, 78.2524, 108.4559

# Sweetspot

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



78.1722, 78.2558, 66.2441



89.8596, 93.4053, 95.4975



76.8923, 68.9402, 86.6453



19.1169, 19.8434, 20.1418



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.



78.1722, 78.2558, 66.2441



75.5433, 74.7762, 59.8863



85.8443, 93.6001, 68.8015



18.6171, 19.2025, 18.8695



24.2686, 16.5484, 1.9151

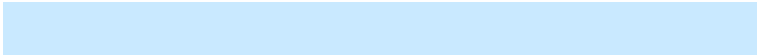


2.4670, 1.8195, 0.2212

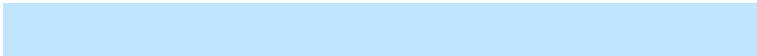


# Inverse Universe

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



71.2754, 77.9130, 105.8898



67.6241, 74.3794, 105.4002



64.3059, 63.9739, 103.5667



17.8978, 19.1672, 23.0063



15.3718, 15.6532, 51.6458

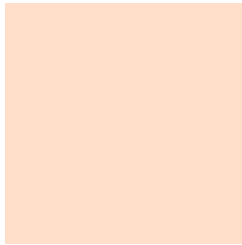


1.6041, 1.7390, 5.0644



# Previews

## White Background



This preview shows how the XYZ color 78.1703, 78.2524, 66.2425 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

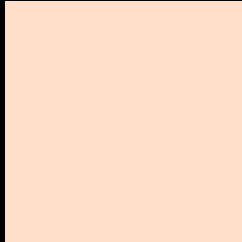
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.1703, 78.2524, 66.2425 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

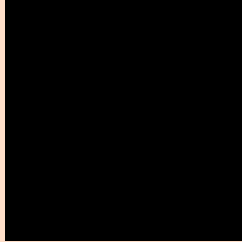
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 78.1703, 78.2524, 66.2425

## Background



This preview shows how black text looks on a background with the XYZ color 78.1703, 78.2524, 66.2425.



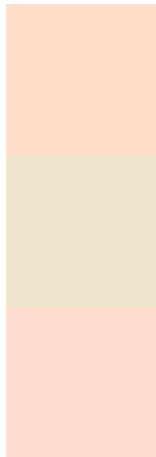
This preview shows how white text looks on a background with the XYZ color 78.1703, 78.2524,

66.2425.

# 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

78.1703, 78.2524, 66.2425

### Protanopia

74.2391, 78.1972, 68.3075

### Deuteranopia

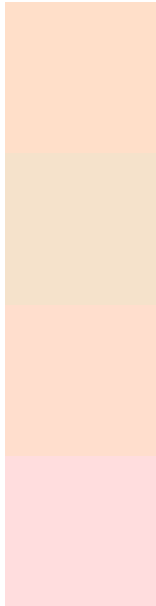
78.6238, 78.0075, 69.9445



## Tritanopia

81.6845, 78.3869, 88.6669

# Trichromacy



## Original Color

78.1703, 78.2524, 66.2425

## Protanomaly

75.6320, 78.1170, 67.5918

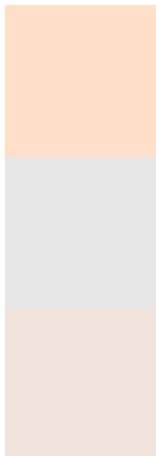
## Deuteranomaly

78.3807, 77.9103, 68.6647

## Tritanomaly

80.2813, 78.2468, 79.9791

# Monochromacy



## Original Color

78.1703, 78.2524, 66.2425

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.8519, 78.4034, 78.1534

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.1703, 78.2524, 66.2425 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, 223, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 201)  
}
```

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, 223, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 78.1703, 78.2524, 66.2425 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, 223, 201) }
```



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

```
.border{ border-color:rgb(255, 223, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.1703, 78.2524, 66.2425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 201) }
```

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

```
.background{ background-color: rgb(255,  
223, 201) }
```

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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