

# Converting Colors

XYZ(80.4432, 74.1640, 54.9006)

Have a look what the booklet for  
XYZ(80.4432, 74.1640, 54.9006)  
contains.

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# Color

**XYZ(72.5877, 70.2798,  
54.5393)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD1B7
RGB	255, 209, 183
RGB Percent	100%, 82%, 72%
CMY	0.0000, 0.1804, 0.2823
CMYK	0.00, 0.18, 0.28, 0.00
HSL	22°, 100%, 86%
HSV	22°, 28%, 100%
XYZ	72.5877, 70.2798, 54.5393
YIQ	219.7900, 35.7620, 1.6660

# Conversions

## Conversions Part 2

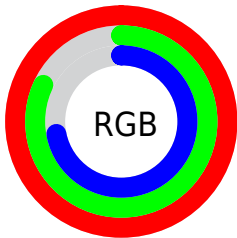
Format	Color
R <sub>Y</sub> B	255, 224, 183
Decimal	16765367
CIE Lab	87.13, 12.49, 18.98
CIE LCh	87, 22.721, 56.661
Yxy	70.2798, 0.3677, 0.3560
Android (android.graphics.Color)	4294955447 (0xFFFFD1B7)
YUV	219.7900, -18.1375, 30.8792
Hunter-Lab	83.8330, 7.8482, 20.1108

# Details

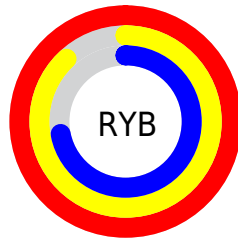
The XYZ color **72.5877, 70.2798, 54.5393** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **65.5969, 73.3235, 105.3033**, and the grayscale version is **67.9875, 71.5282, 77.8942**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **38.7766, 36.9247, 26.2025** is the 20% darker color. If you saturate the color by 10%, you get **66.3761, 61.7262, 40.5392**, and if you desaturate by 10%, it is **79.6923, 79.8495, 71.2109**.

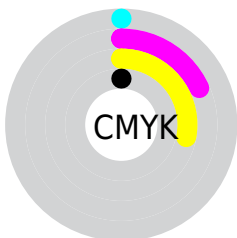
# Distribution



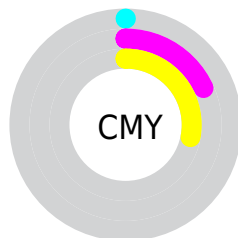
- Red (100%)
- Green (82%)
- Blue (72%)



- Red (100%)
- Yellow (88%)
- Blue (72%)



- Cyan (0%)
- Magenta (18%)
- Yellow (28%)
- Black (0%)




- Cyan (0%)
- Magenta (18%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5877, 70.2798, 54.5393 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 72.5877, 70.2798, 54.5393 by changing the saturation by 10% instead.





 72.5877, 70.2798,  
54.5393

 72.5877, 70.2798,  
54.5393


458.7105,  
461.5318, 421.3958

 53.9261, 51.7547,  
38.6369


 121.8980,  
119.6077, 98.3300

 38.7730, 36.8096,  
26.1717


153.2774,  
151.1792, 127.0554

 26.7631, 25.0601,  
16.7252


189.6268,  
187.8684, 160.8921

 17.5311, 16.1218,  
9.8789

231.3115,  
230.0595, 200.2588

 10.7115, 9.6104,  
5.2142

278.6968,  
278.1370, 245.5740

 5.9390, 5.1414,  
2.3125

332.1482,

 2.8484, 2.3305,

332.4853, 297.2562

0.7382

392.0310,  
393.4888, 355.7240

■ 1.0741, 0.7898,  
0.0000

■ 0.0033, 0.0000,  
0.0000

■ 72.5877, 70.2798,  
54.5393

■ 72.5877, 70.2798,  
54.5393

■ 66.3761, 61.7262,  
40.5392

■ 79.6923, 79.8495,  
71.2109

■ 61.0141, 54.1442,  
29.0655

■ 87.7205, 90.4586,  
90.6800

■ 56.4622, 47.5002,  
19.9654

95.0500, 100.0000,  
108.9000

■ 52.6754, 41.7543,  
13.0680

■ 49.6032, 36.8638,  
8.1788

■ 47.1880, 32.7811,  
5.0687

■ 45.3549, 29.4503,  
3.4233

■ 45.0760, 28.9320,  
3.2087

# Harmonies

## Analogous

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



76.3769, 70.2798, 64.1007



72.5877, 70.2798, 54.5393



67.3972, 70.2798, 50.8154

# Triad

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



72.5877, 70.2798, 54.5393



57.0866, 70.2798, 74.8268



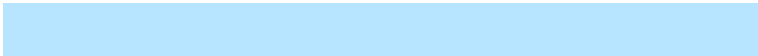
71.5010, 70.2798, 105.8453

# Complementary

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



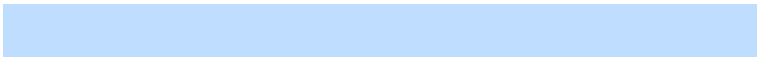
72.5877, 70.2798, 54.5393



65.5969, 73.3235, 105.3033

# 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.



66.2040, 70.2798, 109.7012



72.5877, 70.2798, 54.5393



58.0570, 70.2798, 90.4542

# Square

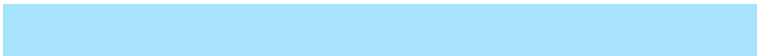
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.5877, 70.2798, 54.5393



58.6021, 70.2798, 61.5067



61.3262, 70.2798, 103.7383



75.7264, 70.2798, 93.8032



# Rectangle

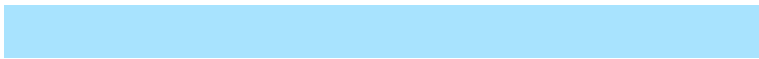
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.5877, 70.2798, 54.5393



63.9051, 70.2798, 51.7201



61.3262, 70.2798, 103.7383



69.7787, 70.2798, 108.2057

# Sweetspot

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



72.5894, 70.2830, 54.5407



87.9203, 90.7204, 91.1715



72.4288, 60.8296, 82.6400



18.5464, 19.0609, 18.8460



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.



72.5894, 70.2830, 54.5407



68.9010, 65.2286, 46.1514



82.1984, 89.5009, 57.7437



18.5464, 19.0609, 18.8460



23.6816, 15.3745, 1.7194

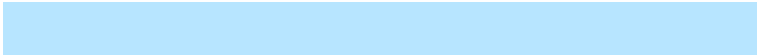


2.4050, 1.6954, 0.2005

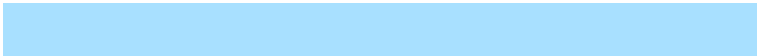


# Inverse Universe

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



65.5969, 73.3235, 105.3033



60.8336, 68.7201, 104.6658



56.8264, 55.7827, 102.3798



17.9708, 19.3131, 23.0306



16.4124, 17.7343, 51.9926

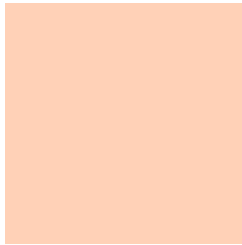


1.7018, 1.9342, 5.0969



# Previews

## White Background



This preview shows how the XYZ color 72.5877, 70.2798, 54.5393 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

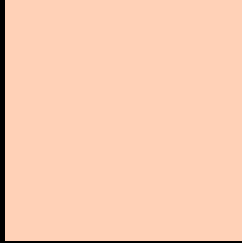
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.5877, 70.2798, 54.5393 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

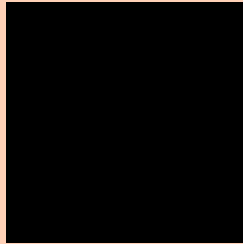
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.5877, 70.2798, 54.5393**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.5877, 70.2798, 54.5393.



This preview shows how white text looks on a background with the XYZ color 72.5877, 70.2798, 54.5393.



# 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

72.5877, 70.2798, 54.5393

### Protanopia

66.6742, 70.5537, 57.1178

### Deuteranopia

71.7387, 70.2075, 54.5701



## Tritanopia

75.8575, 70.0371, 76.5382

# Trichromacy



## Original Color

72.5877, 70.2798, 54.5393

## Protanomaly

68.7600, 70.4968, 56.4376

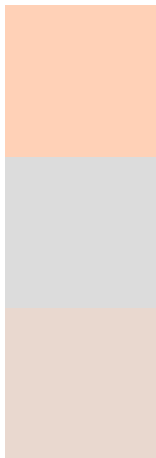
## Deuteranomaly

72.1018, 70.3947, 54.5871

## Tritanomaly

74.4519, 69.8588, 67.9526

# Monochromacy



## Original Color

72.5877, 70.2798, 54.5393

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

69.4226, 70.9404, 69.0654

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.5877, 70.2798, 54.5393 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, 209, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 183)  
}
```

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, 209, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 72.5877, 70.2798, 54.5393 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, 209, 183) }
```



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

```
.border{ border-color:rgb(255, 209, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.5877, 70.2798, 54.5393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 183) }
```

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

```
.background{ background-color: rgb(255,  
209, 183) }
```

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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