

# Converting Colors

XYZ(76.6493, 81.7950, 56.0041)

Have a look what the booklet for  
XYZ(76.6493, 81.7950, 56.0041)  
contains.

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# **Color**

**XYZ(76.6493, 81.7950,  
56.0041)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9E9B6
RGB	249, 233, 182
RGB Percent	98%, 91%, 71%
CMY	0.0235, 0.0862, 0.2863
CMYK	0.00, 0.06, 0.27, 0.02
HSL	46°, 85%, 85%
HSV	46°, 27%, 98%
XYZ	76.6493, 81.7950, 56.0041
YIQ	231.9700, 25.9070, -12.4690

# Conversions

## Conversions Part 2

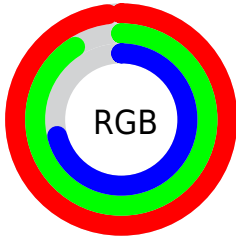
Format	Color
R <sub>Y</sub> B	203, 249, 182
Decimal	16378294
CIE Lab	92.48, -2.20, 26.80
CIE LCh	92, 26.888, 94.703
Yxy	81.7950, 0.3574, 0.3814
Android (android.graphics.Color)	4294568374 (0xFFFF9E9B6)
YUV	231.9700, -24.6352, 14.9353
Hunter-Lab	90.4406, -6.9905, 26.5939

# Details

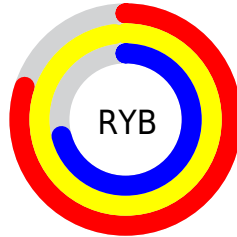
The XYZ color **76.6493, 81.7950, 56.0041** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **56.5839, 57.1711, 97.6755**, and the grayscale version is **76.8461, 80.8481, 88.0435**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **41.4228, 44.2357, 27.1240** is the 20% darker color. If you saturate the color by 10%, you get **72.6476, 77.5498, 43.0836**, and if you desaturate by 10%, it is **81.1695, 86.3440, 71.3567**.

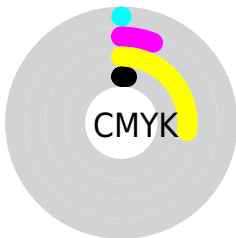
# Distribution



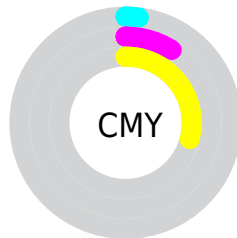
- Red (98%)
- Green (91%)
- Blue (71%)



- Red (80%)
- Yellow (98%)
- Blue (71%)



- Cyan (0%)
- Magenta (6%)
- Yellow (27%)
- Black (2%)




- Cyan (2%)
- Magenta (9%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6493, 81.7950, 56.0041 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 76.6493, 81.7950, 56.0041 by changing the saturation by 10% instead.





 76.6493, 81.7950,  
56.0041

 76.6493, 81.7950,  
56.0041


472.4778,  
500.9617, 427.0957

 57.2640, 61.1966,  
39.8022


 127.6198,  
135.8865, 100.4964

 41.4582, 44.3838,  
27.0717


159.9357,  
170.1483, 129.6239

 28.8665, 30.9724,  
17.3942

197.2925,  
209.7334, 163.8970

 19.1237, 20.5778,  
10.3510

240.0556,  
255.0262, 203.7343

 11.8642, 12.8157,  
5.5237

288.5903,  
306.4110, 249.5543

 6.7228, 7.3018,  
2.4936

343.2620,

 3.3341, 3.6515,

364.2723, 301.7755

0.8368

404.4360,  
428.9944, 360.8164

■ 1.3328, 1.4806,  
0.0000

■ 0.2076, 0.2750,  
0.0000

■ 76.6493, 81.7950,  
56.0041

■ 76.6493, 81.7950,  
56.0041

■ 72.6476, 77.5498,  
43.0836

■ 81.1695, 86.3440,  
71.3567

■ 69.1333, 73.5866,  
32.4622

■ 86.2249, 91.1958,  
89.2546

■ 66.0815, 69.8972,  
24.0020

■ 91.5638, 96.2534,  
108.3606

■ 63.4622, 66.4689,  
17.5480

■ 92.8770, 98.8798,  
108.7983

■ 61.2416, 63.2872,  
12.9247

■ 59.3799, 60.3352,  
9.9260

■ 57.8268, 57.5919,  
8.2897

■ 57.3851, 56.7759,  
7.9343

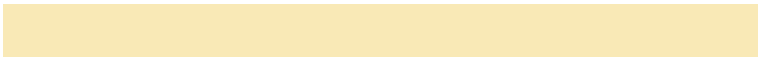
# Harmonies

## Analogous

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



83.6164, 81.7950, 58.6533



76.6493, 81.7950, 56.0041



70.3557, 81.7950, 61.0695

# Triad

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



76.6493, 81.7950, 56.0041



67.2312, 81.7950, 112.7660



90.5100, 81.7950, 106.5020

# Complementary

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



76.6493, 81.7950, 56.0041



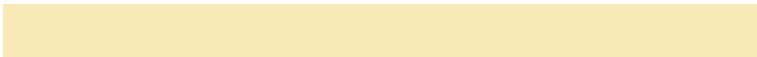
56.5839, 57.1711, 97.6755

# Split Complementary

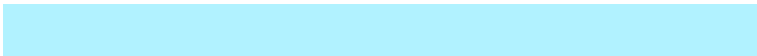
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6316, 81.7950, 124.5157



76.6493, 81.7950, 56.0041



72.1526, 81.7950, 128.4947

# Square

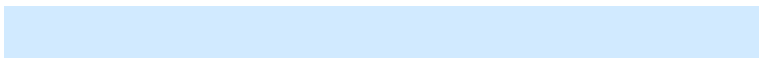
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6493, 81.7950, 56.0041



65.1291, 81.7950, 92.2472



78.8485, 81.7950, 133.0860



91.8902, 81.7950, 85.9487

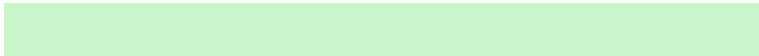


# Rectangle

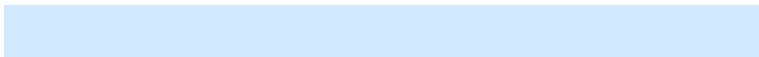
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6493, 81.7950, 56.0041



67.3037, 81.7950, 68.6603



78.8485, 81.7950, 133.0860



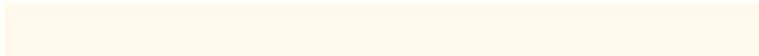
89.2111, 81.7950, 113.1483

# Sweetspot

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



76.6514, 81.7987, 56.0058



90.4037, 95.6872, 91.9993



66.0753, 57.7085, 61.5380



19.1722, 20.3125, 19.0546



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

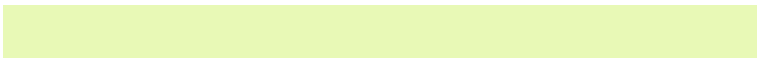
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6514, 81.7987, 56.0058



78.6792, 84.0078, 51.8067



75.6796, 88.3267, 57.3171



18.3557, 19.4472, 18.2486



30.8328, 30.6222, 4.2856



2.9370, 2.9989, 0.4240



# Inverse Universe

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



56.5839, 57.1711, 97.6755



54.4155, 54.2366, 102.2084



57.3146, 52.4044, 96.7169



16.6194, 17.3156, 21.8516



10.0929, 5.5414, 48.5112

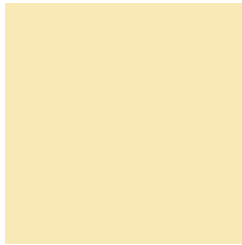


1.0131, 0.6698, 4.5191



# Previews

## White Background



This preview shows how the XYZ color 76.6493, 81.7950, 56.0041 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 76.6493, 81.7950, 56.0041 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

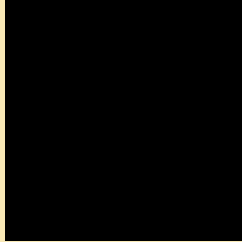
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.6493, 81.7950, 56.0041**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.6493, 81.7950, 56.0041.



This preview shows how white text looks on a background with the XYZ color 76.6493, 81.7950,



# 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

76.6493, 81.7950, 56.0041

### Protanopia

76.6493, 81.7950, 56.0041

### Deuteranopia

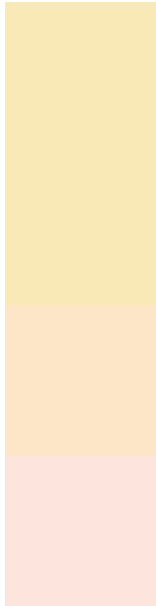
80.7679, 81.9021, 71.8734



## Tritanopia

84.1922, 81.5212, 95.3022

# Trichromacy



## Original Color

76.6493, 81.7950, 56.0041

## Protanomaly

76.6493, 81.7950, 56.0041

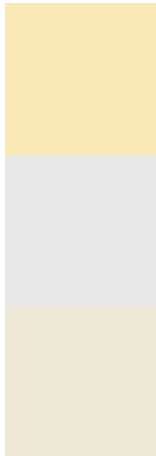
## Deuteranomaly

79.1136, 81.5998, 65.6134

## Tritanomaly

81.1697, 81.5368, 79.1702

# Monochromacy



## Original Color

76.6493, 81.7950, 56.0041

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.2541, 80.7454, 75.1847

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.6493, 81.7950, 56.0041 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, 233, 182)` looks like.

```
.text, #text, p{  
    color:rgb(249, 233, 182)  
}
```

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, 233, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 233, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 76.6493, 81.7950, 56.0041 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, 233, 182) }
```



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

```
.border{ border-color:rgb(249, 233, 182) }
```

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

Here you see how a box with a 4 pixel rgb(249, 233, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 233, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 233, 182);  
box-shadow:4px 4px 4px 4px rgb(249, 233,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.6493, 81.7950, 56.0041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 233, 182) }
```

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

```
.background{ background-color: rgb(249,  
233, 182) }
```

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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