

# Converting Colors

XYZ(79.5535, 84.7919, 55.0717)

Have a look what the booklet for  
XYZ(79.5535, 84.7919, 55.0717)  
contains.

<b>XYZ(79.3721, 84.5056, 54.7757)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(79.3721, 84.5056,  
54.7757)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFECB3
RGB	255, 236, 179
RGB Percent	100%, 93%, 70%
CMY	0.0000, 0.0745, 0.2980
CMYK	0.00, 0.07, 0.30, 0.00
HSL	45°, 100%, 85%
HSV	45°, 30%, 100%
XYZ	79.3721, 84.5056, 54.7757
YIQ	235.1830, 29.6210, -13.6990

# Conversions

## Conversions Part 2

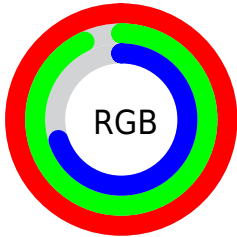
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 255, 179
Decimal	16772275
CIE <sub>Lab</sub>	93.67, -1.87, 30.02
CIE <sub>LCh</sub>	94, 30.079, 93.559
Yxy	84.5056, 0.3630, 0.3865
Android (android.graphics.Color)	4294962355 (0xFFFFE0B3)
YUV	235.1830, -27.6982, 17.3795
Hunter-Lab	91.9269, -6.7506, 29.0202

# Details

The XYZ color **79.3721, 84.5056, 54.7757** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.8340, 57.1901, 102.6511**, and the grayscale version is **79.2954, 83.4250, 90.8498**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **43.1131, 46.0192, 26.3490** is the 20% darker color. If you saturate the color by 10%, you get **75.2263, 79.9664, 41.8251**, and if you desaturate by 10%, it is **84.0646, 89.3742, 70.2633**.

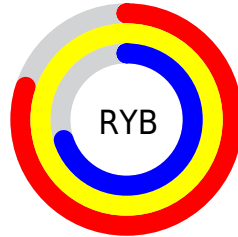
# Distribution



Red (100%)

Green (93%)

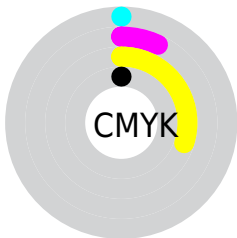
Blue (70%)



Red (80%)

Yellow (100%)

Blue (70%)

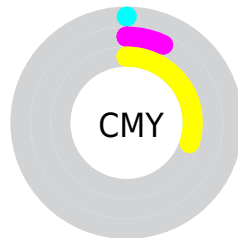


Cyan (0%)

Magenta (7%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.3721, 84.5056, 54.7757 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 79.3721, 84.5056, 54.7757 by changing the saturation by 10% instead.





 79.3721, 84.5056,  
54.7757

 79.3721, 84.5056,  
54.7757


481.5831,  
509.9907, 422.3191

 59.5085, 63.4330,  
38.8248


 131.4377,  
139.6822, 98.6801

 43.2705, 46.1916,  
26.3167


164.3705,  
174.5550, 127.4707

 30.2929, 32.3970,  
16.8328


202.3903,  
214.7966, 161.3782

 20.2102, 21.6649,  
9.9547

245.8625,  
260.7914, 200.8212

 12.6571, 13.6109,  
5.2637

295.1526,  
312.9238, 246.2183

 7.2682, 7.8505,  
2.3414

350.6258,

 3.6782, 3.9995,

371.5782, 297.9879

0.7543

412.6475,  
437.1391, 356.5487

■ 1.5217, 1.6733,  
0.0000

■ 0.3406, 0.4063,  
0.0000

■ 79.3721, 84.5056,  
54.7757

■ 79.3721, 84.5056,  
54.7757

■ 75.2263, 79.9664,  
41.8251

■ 84.0646, 89.3742,  
70.2633

■ 71.5938, 75.7333,  
31.2674

■ 89.3225, 94.5718,  
88.4109

■ 68.4471, 71.7971,  
22.9520

95.0500, 100.0000,  
108.9000

■ 65.7535, 68.1436,  
16.7090

■ 63.4752, 64.7565,  
12.3441

■ 61.5677, 61.6171,  
9.6257

■ 59.9600, 58.6955,  
8.1836

■ 59.9298, 58.6395,  
8.1599

# Harmonies

## Analogous

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



87.3426, 84.5056, 58.0288



79.3721, 84.5056, 54.7757



72.1390, 84.5056, 60.0564

# Triad

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



79.3721, 84.5056, 54.7757



68.2086, 84.5056, 118.4831



94.8457, 84.5056, 112.9829

# Complementary

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



79.3721, 84.5056, 54.7757



56.8340, 57.1901, 102.6511

# 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.



89.0974, 84.5056, 133.6696



79.3721, 84.5056, 54.7757



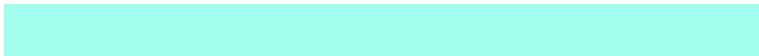
73.6843, 84.5056, 137.1962

# Square

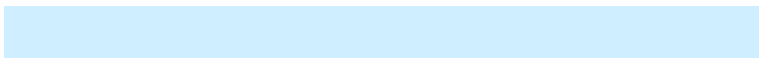
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.3721, 84.5056, 54.7757



65.9683, 84.5056, 94.7648



81.2755, 84.5056, 143.1656



96.6155, 84.5056, 89.3135

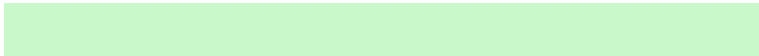


# Rectangle

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



79.3721, 84.5056, 54.7757



68.6061, 84.5056, 68.3159



81.2755, 84.5056, 143.1656



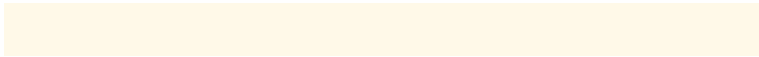
93.2967, 84.5056, 120.6379

# Sweetspot

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



79.3742, 84.5094, 54.7775



89.7700, 95.0039, 89.9874



67.5538, 57.5784, 60.9803



19.0415, 20.1675, 18.6525



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

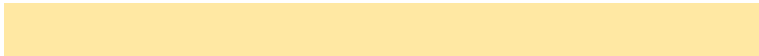


# Same Dimension

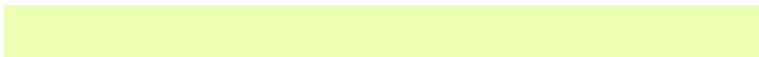
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.3742, 84.5094, 54.7775



76.7415, 81.6570, 46.4610



78.4892, 92.6077, 56.3872



19.1542, 20.2766, 19.0486



31.4393, 30.8899, 4.3053



3.1476, 3.1806, 0.4480



# Inverse Universe

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



56.8340, 57.1901, 102.6511



50.7842, 50.2057, 101.6218



57.4597, 51.4671, 101.5134



17.3718, 18.1152, 22.8309



10.4802, 5.8700, 50.0152



1.1026, 0.7359, 4.8972



# Previews

## White Background



This preview shows how the XYZ color 79.3721, 84.5056, 54.7757 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

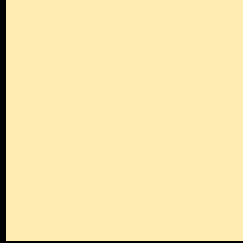
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.3721, 84.5056, 54.7757 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 79.3721, 84.5056, 54.7757**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.3721, 84.5056, 54.7757.



This preview shows how white text looks on a background with the XYZ color 79.3721, 84.5056,



# 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

79.3721, 84.5056, 54.7757

### Protanopia

78.9289, 84.7057, 54.8377

### Deuteranopia

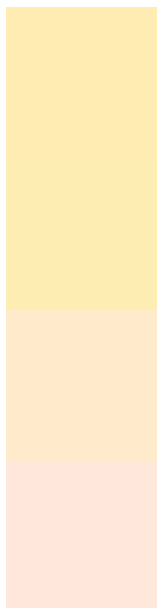
82.7736, 84.4957, 76.9124



## Tritanopia

85.5638, 84.2644, 95.7594

# Trichromacy



## Original Color

79.3721, 84.5056, 54.7757

## Protanomaly

79.2939, 84.8939, 54.8547

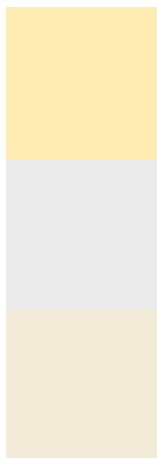
## Deuteranomaly

81.4423, 84.4174, 68.5016

## Tritanomaly

82.8828, 84.0877, 78.8800

# Monochromacy



## Original Color

79.3721, 84.5056, 54.7757

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.5920, 83.2002, 76.2070

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.3721, 84.5056, 54.7757 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, 236, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 179)  
}
```

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, 236, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 79.3721, 84.5056, 54.7757 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, 236, 179) }
```



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

```
.border{ border-color:rgb(255, 236, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.3721, 84.5056, 54.7757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 179) }
```

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

```
.background{ background-color: rgb(255,  
236, 179) }
```

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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