

# Converting Colors

XYZ(74.8260, 85.6134, 21.8147)

Have a look what the booklet for  
XYZ(74.8260, 85.6134, 21.8147)  
contains.

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# **Color**

**XYZ(74.7536, 85.4688,  
21.7897)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF258
RGB	255, 242, 88
RGB Percent	100%, 95%, 35%
CMY	0.0000, 0.0510, 0.6549
CMYK	0.00, 0.05, 0.65, 0.00
HSL	55°, 100%, 67%
HSV	55°, 65%, 100%
XYZ	74.7536, 85.4688, 21.7897
YIQ	228.3310, 57.1820, -45.1380

# Conversions

## Conversions Part 2

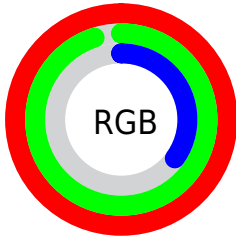
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	102, 255, 88
Decimal	16773720
CIE Lab	94.08, -12.97, 72.82
CIE LCh	94, 73.964, 100.101
Yxy	85.4688, 0.4107, 0.4696
Android (android.graphics.Color)	4294963800 (0xFFFFF258)
YUV	228.3310, -69.1832, 23.3887
Hunter-Lab	92.4493, -17.4530, 50.7403

# Details

The XYZ color **74.7536, 85.4688, 21.7897** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **26.7283, 18.6018, 96.7891**, and the grayscale version is **74.4490, 78.3262, 85.2972**.

A 20% lighter version of the original color is **82.1108, 94.8243, 40.7633**, and **40.1999, 46.7741, 7.6190** is the 20% darker color. If you saturate the color by 10%, you get **73.2900, 83.9468, 16.9710**, and if you desaturate by 10%, it is **76.5968, 87.1593, 28.5586**.

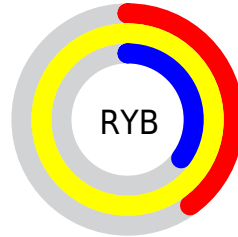
# Distribution



Red (100%)

Green (95%)

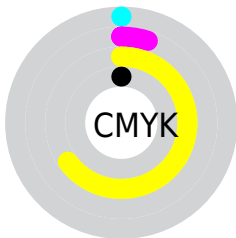
Blue (35%)



Red (40%)

Yellow (100%)

Blue (35%)

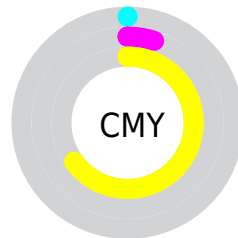


Cyan (0%)

Magenta (5%)

Yellow (65%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7536, 85.4688, 21.7897 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 74.7536, 85.4688, 21.7897 by changing the saturation by 10% instead.



74.7536, 85.4688,  
21.7897

74.7536, 85.4688,  
21.7897

466.0805,  
513.1780, 274.3636

55.7045, 64.2288,  
13.5056

124.9533,  
141.0280, 47.2959

40.2021, 46.8360,  
7.6428

156.8346,  
176.1159, 65.3551

27.8811, 32.9060,  
3.7828

193.7240,  
216.5887, 87.5097

18.3760, 22.0545,  
1.5070

235.9869,  
262.8306, 114.1784

11.3216, 13.8969,  
0.2231

283.9887,  
315.2261, 145.7795

6.3525, 8.0490,  
0.0000

338.0946,

3.1033, 4.1263,

374.1596, 182.7318

0.0000

398.6701,  
440.0154, 225.4536

■ 1.2086, 1.7445,  
0.0000

■ 0.1131, 0.4522,  
0.0000

■ 74.7536, 85.4688,  
21.7897

■ 74.7536, 85.4688,  
21.7897

■ 73.2900, 83.9468,  
16.9710

■ 76.5968, 87.1593,  
28.5586

■ 72.1596, 82.5651,  
13.8841

■ 78.8484, 89.0202,  
37.4548

■ 71.3144, 81.3077,  
12.2674

■ 81.5410, 91.0679,  
48.6416

■ 70.9939, 80.7680,  
11.8480

■ 84.7024, 93.3134,  
62.2649

■ 88.3579, 95.7669,  
78.4584

■ 92.5311, 98.4380,  
97.3462

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



94.8634, 85.4688, 23.6683



74.7536, 85.4688, 21.7897



59.1408, 85.4688, 32.1836

# Triad

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



74.7536, 85.4688, 21.7897



55.5050, 85.4688, 182.2019



122.4465, 85.4688, 135.2195

# Complementary

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



74.7536, 85.4688, 21.7897



26.7283, 18.6018, 96.7891

# 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.



108.2440, 85.4688, 203.5494



74.7536, 85.4688, 21.7897



68.9796, 85.4688, 237.4229

# Square

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



74.7536, 85.4688, 21.7897



49.2821, 85.4688, 113.4754



88.0817, 85.4688, 246.5164



124.6675, 85.4688, 75.2547



# Rectangle

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



74.7536, 85.4688, 21.7897



52.5532, 85.4688, 48.6820



88.0817, 85.4688, 246.5164



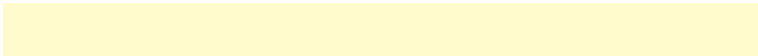
118.8180, 85.4688, 158.5089

# Sweetspot

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



74.7556, 85.4728, 21.7914



86.6463, 94.6340, 70.8262



47.1243, 29.1979, 15.7019



18.3288, 20.1092, 14.2003



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.



74.7556, 85.4728, 21.7914



72.8575, 83.4465, 15.7017



57.6302, 82.5907, 22.1378



19.4332, 20.8345, 19.1416



37.1468, 42.3048, 6.2078



3.6513, 4.1880, 0.6159



# Inverse Universe

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



26.7283, 18.6018, 96.7891



21.6892, 12.2757, 95.8340



35.5593, 21.4274, 96.8690



17.1165, 17.6047, 22.7459



9.6006, 4.1109, 49.7221



0.9721, 0.4750, 4.8537



# Previews

## White Background



This preview shows how the XYZ color 74.7536, 85.4688, 21.7897 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

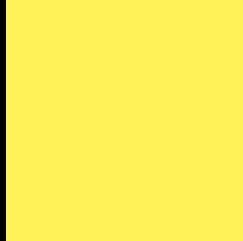
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.7536, 85.4688, 21.7897 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 74.7536, 85.4688, 21.7897**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.7536, 85.4688, 21.7897.



This preview shows how white text looks on a background with the XYZ color 74.7536, 85.4688,



# 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

74.7536, 85.4688, 21.7897

### Protanopia

78.8824, 85.2362, 49.3405

### Deuteranopia

82.7062, 85.3798, 73.7489



## Tritanopia

85.9738, 85.3241, 95.1570

# Trichromacy



## Original Color

74.7536, 85.4688, 21.7897



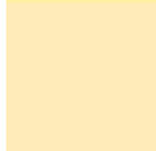
## Protanomaly

76.7667, 84.8571, 36.7591



## Deuteranomaly

78.6975, 85.1622, 48.3665



## Tritanomaly

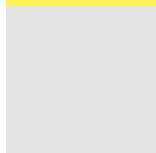
79.9924, 84.7537, 58.0420

# Monochromacy



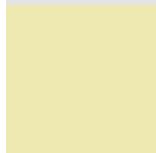
## Original Color

74.7536, 85.4688, 21.7897



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

72.3346, 79.6293, 53.1525

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.7536, 85.4688, 21.7897 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, 242, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 88)  
}
```

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, 242, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 88) }
```

## Border

The CSS property to change the border of an element to XYZ 74.7536, 85.4688, 21.7897 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, 242, 88) }
```



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

```
.border{ border-color:rgb(255, 242, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
88) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.7536, 85.4688, 21.7897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 88) }
```

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

```
.background{ background-color: rgb(255,  
242, 88) }
```

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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