

# Converting Colors

XYZ(72.8801, 81.4494, 22.0053)

Have a look what the booklet for  
XYZ(72.8801, 81.4494, 22.0053)  
contains.

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# **Color**

**XYZ(72.8801, 81.4494,  
22.0053)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEB5C
RGB	255, 235, 92
RGB Percent	100%, 92%, 36%
CMY	0.0000, 0.0784, 0.6392
CMYK	0.00, 0.08, 0.64, 0.00
HSL	53°, 100%, 68%
HSV	53°, 64%, 100%
XYZ	72.8801, 81.4494, 22.0053
YIQ	224.6780, 57.8230, -40.2330

# Conversions

## Conversions Part 2

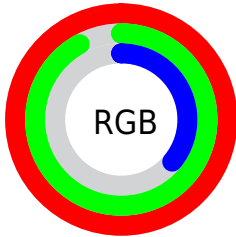
Format	Color
<a href="#">RYB</a>	<a href="#">115, 255, 92</a>
Decimal	<a href="#">16771932</a>
CIELab	<a href="#">92.33, -9.30, 69.41</a>
CIELCh	<a href="#">92, 70.030, 97.633</a>
Yxy	<a href="#">81.4494, 0.4133, 0.4619</a>
Android (android.graphics.Color)	<a href="#">4294962012</a> ( <a href="#">0xFFFFE5C</a> )
YUV	<a href="#">224.6780, -65.4103, 26.5924</a>
Hunter-Lab	<a href="#">90.2493, -13.7901, 48.7180</a>

# Details

The XYZ color **72.8801, 81.4494, 22.0053** 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 **28.2578, 21.0831, 97.1873**, and the grayscale version is **71.7644, 75.5018, 82.2214**.

A 20% lighter version of the original color is **82.3453, 94.9181, 41.9979**, and **39.0743, 44.3435, 7.7961** is the 20% darker color. If you saturate the color by 10%, you get **71.0607, 79.3044, 16.7945**, and if you desaturate by 10%, it is **75.0941, 83.7836, 29.1994**.

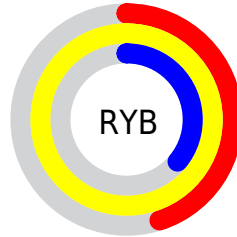
# Distribution



Red (100%)

Green (92%)

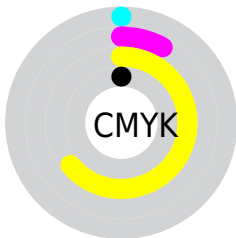
Blue (36%)



Red (45%)

Yellow (100%)

Blue (36%)

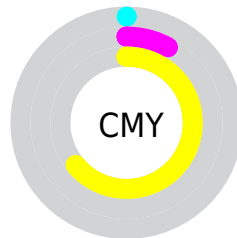


Cyan (0%)

Magenta (8%)

Yellow (64%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8801, 81.4494, 22.0053 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 72.8801, 81.4494, 22.0053 by changing the saturation by 10% instead.





 72.8801, 81.4494,  
22.0053


 72.8801, 81.4494,  
22.0053


459.7094,  
499.8041, 275.5284


 54.1660, 60.9118,  
13.6624


 122.3110,  
135.4016, 47.6571


 38.9656, 44.1540,  
7.7502


 153.7585,  
169.5850, 65.8030

 26.9135, 30.7916,  
3.8501


 190.1812,  
209.0858, 88.0538

 17.6445, 20.4402,  
1.5435

 231.9444,  
254.2883, 114.8279

 10.7932, 12.7154,  
0.2500

279.4134,  
305.5770, 146.5439

 5.9942, 7.2329,  
0.0000

332.9537,

 2.8822, 3.6082,

363.3363, 183.6202

0.0000

392.9306,  
427.9505, 226.4756

■ 1.0918, 1.4569,  
0.0000

■ 0.0182, 0.2581,  
0.0000

■ 72.8801, 81.4494,  
22.0053

■ 72.8801, 81.4494,  
22.0053

■ 71.0607, 79.3044,  
16.7945

■ 75.0941, 83.7836,  
29.1994

■ 69.5906, 77.3211,  
13.3549


■ 77.7310, 86.3092,  
38.5507


■ 68.4237, 75.4841,  
11.4346

■ 80.8229, 89.0422,  
50.2195

■ 67.8207, 74.4218,  
10.7903

■ 84.3971, 91.9938,  
64.3497

 88.4790, 95.1740,  
81.0733

 93.0917, 98.5925,  
100.5131

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

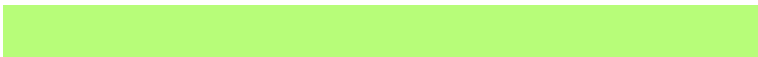
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4404, 81.4494, 24.7245



72.8801, 81.4494, 22.0053



58.0354, 81.4494, 30.8214

# Triad

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



72.8801, 81.4494, 22.0053



52.9778, 81.4494, 164.6032



114.2996, 81.4494, 132.3174

# Complementary

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



72.8801, 81.4494, 22.0053



28.2578, 21.0831, 97.1873

# 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.



100.6902, 81.4494, 193.4608



72.8801, 81.4494, 22.0053



64.9029, 81.4494, 216.6151

# Square

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



72.8801, 81.4494, 22.0053



47.7702, 81.4494, 102.6059



82.1347, 81.4494, 228.8462



117.3234, 81.4494, 76.0831

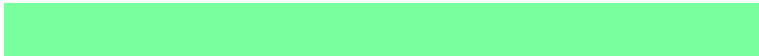


# Rectangle

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



72.8801, 81.4494, 22.0053



51.5650, 81.4494, 45.2845



82.1347, 81.4494, 228.8462



110.7189, 81.4494, 153.5218

# Sweetspot

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



72.8820, 81.4532, 22.0069



86.3409, 93.5298, 72.2458



48.0896, 30.1238, 19.1211



18.2354, 19.8267, 14.4645



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.



72.8820, 81.4532, 22.0069



70.5729, 78.6771, 15.5569



60.2580, 83.9257, 23.1495



19.3599, 20.6879, 19.1171



35.5130, 39.0373, 5.6632



3.5089, 3.9033, 0.5685



# Inverse Universe

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



28.2578, 21.0831, 97.1873



22.9059, 14.2850, 96.1577



34.7831, 21.5281, 96.9292



17.1825, 17.7366, 22.7678



9.7471, 4.4038, 49.7709



1.0032, 0.5371, 4.8641



# Previews

## White Background



This preview shows how the XYZ color 72.8801, 81.4494, 22.0053 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

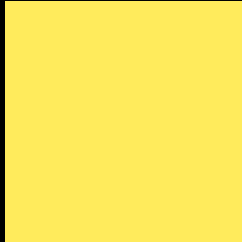
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.8801, 81.4494, 22.0053 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 72.8801, 81.4494, 22.0053**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.8801, 81.4494, 22.0053.



This preview shows how white text looks on a background with the XYZ color 72.8801, 81.4494,



# 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

72.8801, 81.4494, 22.0053

### Protanopia

74.6126, 81.2313, 33.9370

### Deuteranopia

79.3374, 81.3298, 64.3400



## Tritanopia

83.3055, 81.1666, 90.6329

# Trichromacy



## Original Color

72.8801, 81.4494, 22.0053



## Protanomaly

73.9328, 81.4136, 28.9573



## Deuteranomaly

76.0739, 80.9150, 44.4095



## Tritanomaly

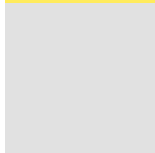
77.9110, 80.7593, 56.8292

# Monochromacy



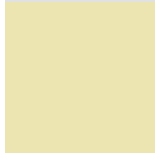
## Original Color

72.8801, 81.4494, 22.0053



## Achromatopsia

71.5672, 75.2942, 81.9954



## Achromatomaly

70.5472, 77.0458, 52.7481

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.8801, 81.4494, 22.0053 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, 235, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 92)  
}
```

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, 235, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 92) }
```

## Border

The CSS property to change the border of an element to XYZ 72.8801, 81.4494, 22.0053 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, 235, 92) }
```



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

```
.border{ border-color:rgb(255, 235, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
92) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.8801, 81.4494, 22.0053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 92) }
```

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

```
.background{ background-color: rgb(255,  
235, 92) }
```

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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