

Converting Colors

XYZ(72.8643, 81.4745, 21.8251)

Have a look what the booklet for
XYZ(72.8643, 81.4745, 21.8251)
contains.

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Color

**XYZ(72.8367, 81.4320,
21.7766)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEB5B
RGB	255, 235, 91
RGB Percent	100%, 92%, 36%
CMY	0.0000, 0.0784, 0.6431
CMYK	0.00, 0.08, 0.64, 0.00
HSL	53°, 100%, 68%
HSV	53°, 64%, 100%
XYZ	72.8367, 81.4320, 21.7766
YIQ	224.5640, 58.1440, -40.5440

Conversions

Conversions Part 2

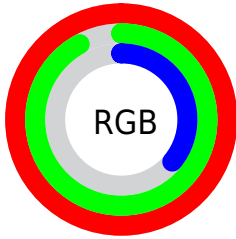
Format	Color
RYB	114, 255, 91
Decimal	16771931
CIELab	92.32, -9.36, 69.80
CIELCh	92, 70.429, 97.637
Yxy	81.4320, 0.4137, 0.4626
Android (android.graphics.Color)	4294962011 (0xFFFFE5B)
YUV	224.5640, -65.8471, 26.6924
Hunter-Lab	90.2397, -13.8437, 48.8599

Details

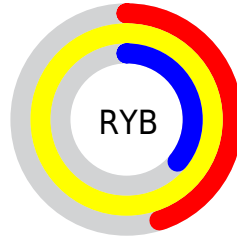
The XYZ color **72.8367, 81.4320, 21.7766** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **28.0489, 20.8126, 97.1462**, and the grayscale version is **71.6853, 75.4185, 82.1308**.

A 20% lighter version of the original color is **82.2665, 94.8866, 41.5828**, and **39.0487, 44.3333, 7.6615** is the 20% darker color. If you saturate the color by 10%, you get **71.0365, 79.3033, 16.6410**, and if you desaturate by 10%, it is **75.0298, 83.7490, 28.8880**.

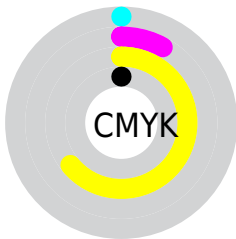
Distribution



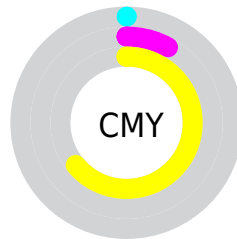
- Red (100%)
- Green (92%)
- Blue (36%)



- 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 72.8367, 81.4320, 21.7766 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 72.8367, 81.4320, 21.7766 by changing the saturation by 10% instead.


 72.8367, 81.4320,
21.7766

 72.8367, 81.4320,
21.7766


459.5612,
499.7458, 274.2927

 54.1303, 60.8975,
13.4961


 122.2497,
135.3772, 47.2739


 38.9370, 44.1424,
7.6363


 153.6871,
169.5566, 65.3278

 26.8912, 30.7825,
3.7787


 190.0989,
209.0531, 87.4766

 17.6277, 20.4333,
1.5047

 231.8505,
254.2511, 114.1388

 10.7811, 12.7104,
0.2215

279.3071,
305.5350, 145.7330

 5.9860, 7.2294,
0.0000

332.8342,

 2.8772, 3.6060,

363.2891, 182.6777

0.0000

392.7971,
427.8979, 225.3914

■ 1.0891, 1.4557,
0.0000

■ 0.0160, 0.2572,
0.0000

■ 72.8367, 81.4320,
21.7766

■ 72.8367, 81.4320,
21.7766

■ 71.0365, 79.3033,
16.6410

■ 75.0298, 83.7490,
28.8880

■ 69.5839, 77.3352,
13.2676

■ 77.6443, 86.2564,
38.1498

■ 68.4321, 75.5122,
11.4022

■ 80.7125, 88.9705,
49.7232

■ 67.8719, 74.5241,
10.8074

■ 84.2619, 91.9023,
63.7525

■ 88.3177, 95.0620,
80.3702

■ 92.9033, 98.4592,
99.6993

95.0498, 99.9999,
108.9000

Harmonies

Analogous

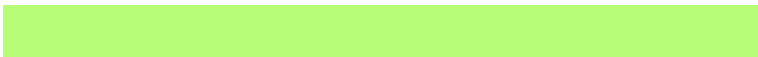
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5039, 81.4320, 24.4919



72.8367, 81.4320, 21.7766



57.9204, 81.4320, 30.5922

Triad

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



72.8367, 81.4320, 21.7766



52.8442, 81.4320, 165.1070



114.5173, 81.4320, 132.5671

Complementary

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



72.8367, 81.4320, 21.7766



28.0489, 20.8126, 97.1462

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.



100.8171, 81.4320, 194.1798



72.8367, 81.4320, 21.7766



64.8230, 81.4320, 217.5395

Square

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



72.8367, 81.4320, 21.7766



47.6161, 81.4320, 102.6754



82.1473, 81.4320, 229.8699



117.5607, 81.4320, 75.9919

Rectangle

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



72.8367, 81.4320, 21.7766



51.4237, 81.4320, 45.0820



82.1473, 81.4320, 229.8699



110.9123, 81.4320, 153.9253

Sweetspot

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



72.8386, 81.4358, 21.7782



86.3521, 93.5522, 72.2496



47.9546, 29.9322, 18.8346



18.2382, 19.8322, 14.4654



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.



72.8386, 81.4358, 21.7782



70.6139, 78.7592, 15.5705



60.1199, 83.8596, 22.9164



19.3611, 20.6904, 19.1175



35.5393, 39.0899, 5.6720



3.5112, 3.9079, 0.5692

Inverse Universe

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



28.0489, 20.8126, 97.1462



22.8947, 14.2627, 96.1540



34.5792, 21.2953, 96.8952



17.1814, 17.7344, 22.7675



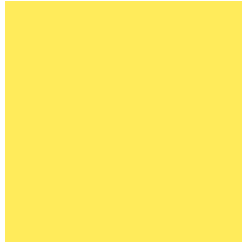
9.7442, 4.3980, 49.7699



1.0027, 0.5360, 4.8639

Previews

White Background



This preview shows how the XYZ color 72.8367, 81.4320, 21.7766 looks on a white background.

Color Contrast Check

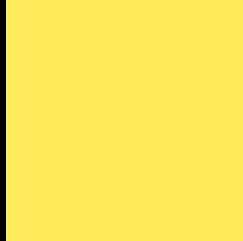
Large Text (above 18pt) WCAG AA × Fail

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 72.8367, 81.4320, 21.7766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

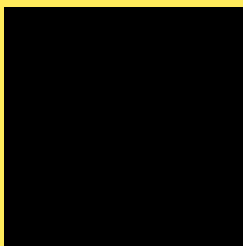
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.8367, 81.4320, 21.7766

Background



This preview shows how black text looks on a background with the XYZ color 72.8367, 81.4320, 21.7766.



This preview shows how white text looks on a background with the XYZ color 72.8367, 81.4320,

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

72.8367, 81.4320, 21.7766

Protanopia

74.6126, 81.2313, 33.9370

Deuteranopia

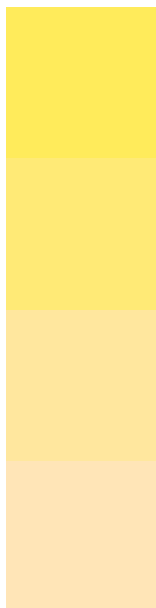
79.3374, 81.3298, 64.3400



Tritanopia

83.3055, 81.1666, 90.6329

Trichromacy



Original Color

72.8367, 81.4320, 21.7766

Protanomaly

73.9328, 81.4136, 28.9573

Deuteranomaly

75.9875, 80.8804, 43.9543

Tritanomaly

77.8066, 80.7175, 56.2789

Monochromacy



Original Color

72.8367, 81.4320, 21.7766

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.4479, 77.0061, 52.2250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8367, 81.4320, 21.7766 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 91) }
```

Border

The CSS property to change the border of an element to XYZ 72.8367, 81.4320, 21.7766 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, 91) }
```


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

```
.border{ border-color:rgb(255, 235, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8367, 81.4320, 21.7766 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, 91) }
```

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

```
.background{ background-color: rgb(255,  
235, 91) }
```

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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