

Converting Colors

XYZ(72.8481, 87.4914, 28.9683)

Have a look what the booklet for
XYZ(72.8481, 87.4914, 28.9683)
contains.

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Color

**XYZ(72.8481, 87.4915,
28.9676)**

Conversions

Conversions Part 1

Format	Color
Hex	F0F972
RGB	240, 249, 114
RGB Percent	94%, 98%, 45%
CMY	0.0588, 0.0235, 0.5529
CMYK	0.04, 0.00, 0.54, 0.02
HSL	64°, 92%, 71%
HSV	64°, 54%, 98%
XYZ	72.8481, 87.4915, 28.9676
YIQ	230.9190, 37.9710, -43.8930

Conversions

Conversions Part 2

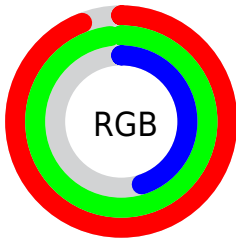
Format	Color
R_{YB}	114, 249, 123
Decimal	15792498
CIE _{Lab}	94.95, -20.64, 62.66
CIE _{LCh}	95, 65.968, 108.234
Yxy	87.4915, 0.3848, 0.4622
Android (android.graphics.Color)	4293982578 (0xFFFF0F972)
YUV	230.9190, -57.6411, 7.9640
Hunter-Lab	93.5369, -24.6708, 47.1142

Details

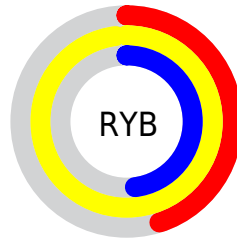
The XYZ color **72.8481, 87.4915, 28.9676** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **31.2875, 23.0872, 92.4350**, and the grayscale version is **76.2930, 80.2661, 87.4098**.

A 20% lighter version of the original color is **84.1614, 95.6446, 51.5616**, and **38.9154, 48.2795, 11.4055** is the 20% darker color. If you saturate the color by 10%, you get **71.0588, 86.7141, 22.4662**, and if you desaturate by 10%, it is **75.0325, 88.4339, 37.5043**.

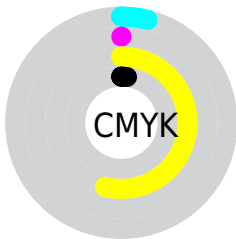
Distribution



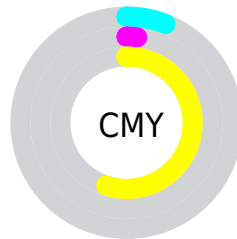
- Red (94%)
- Green (98%)
- Blue (45%)



- Red (45%)
- Yellow (98%)
- Blue (48%)



- Cyan (4%)
- Magenta (0%)
- Yellow (54%)
- Black (2%)





- Cyan (6%)
- Magenta (2%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.8481, 87.4915, 28.9676 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 72.8481, 87.4915, 28.9676 by changing the saturation by 10% instead.

 72.8481, 87.4915,
28.9676

 72.8481, 87.4915,
28.9676


459.6001,
519.8366, 311.1182


 54.1397, 65.9020,
18.8109


 122.2658,
143.8490, 59.0672

 38.9445, 48.1929,
11.3583


 153.7059,
179.3858, 79.8472

 26.8971, 33.9797,
6.1912


 190.1205,
220.3406, 105.0054

 17.6321, 22.8780,
2.8910

231.8751,
267.0976, 134.9603

 10.7843, 14.5034,
1.0393

279.3350,
320.0413, 170.1305

 5.9882, 8.4716,
0.0000

332.8656,

 2.8785, 4.3982,

379.5561, 210.9345

0.0000

392.8322,
446.0264, 257.7909

■ 1.0898, 1.8987,
0.0000

■ 0.0166, 0.5476,
0.0000

■ 72.8481, 87.4915,
28.9676

■ 72.8481, 87.4915,
28.9676

■ 71.0588, 86.7141,
22.4662

■ 75.0325, 88.4339,
37.5043

■ 69.6262, 86.0768,
17.8255


■ 77.6343, 89.5407,
48.2210


■ 68.5151, 85.5687,
14.8511


■ 80.6814, 90.8262,
61.2556


■ 67.6798, 85.1715,
13.3025


■ 84.1976, 92.2999,
76.7330


 67.2843, 84.9771,
12.8560

 88.2048, 93.9706,
94.7692

 91.3402, 95.2933,
108.1870

 91.9381, 95.6015,
108.2150

 92.5412, 95.9124,
108.2432

 93.1496, 96.2260,
108.2717

Harmonies

Analogous

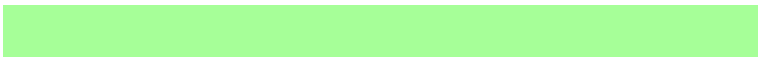
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3748, 87.4915, 27.6855



72.8481, 87.4915, 28.9676



60.0402, 87.4915, 43.5400

Triad

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



72.8481, 87.4915, 28.9676



62.2771, 87.4915, 189.3057



121.6034, 87.4915, 116.8074

Complementary

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



72.8481, 87.4915, 28.9676



31.2875, 23.0872, 92.4350

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.



111.5579, 87.4915, 177.1471



72.8481, 87.4915, 28.9676



76.3361, 87.4915, 227.9931

Square

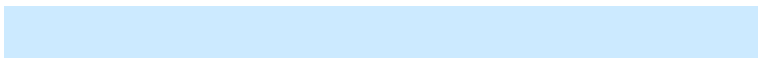
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8481, 87.4915, 28.9676



54.5677, 87.4915, 129.5497



94.3976, 87.4915, 222.8821



120.3133, 87.4915, 67.6326

Rectangle

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



72.8481, 87.4915, 28.9676



55.1173, 87.4915, 63.1907



94.3976, 87.4915, 222.8821



119.3877, 87.4915, 136.6834

Sweetspot

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



72.8502, 87.4955, 28.9694



88.1688, 97.1327, 77.8538



49.1901, 35.5228, 20.1847



18.7032, 20.7198, 15.9180



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.



72.8502, 87.4955, 28.9694



74.8617, 91.4682, 23.2158



54.0394, 77.7982, 28.0891



18.6063, 20.1284, 18.3669



36.0627, 45.5093, 6.8835



3.3735, 4.2322, 0.6391

Inverse Universe

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



31.2875, 23.0872, 92.4350



26.9329, 17.1334, 96.4953



44.4793, 29.8878, 93.0524



16.3902, 16.6983, 21.7445



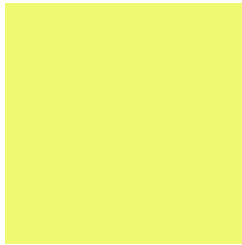
9.3128, 3.7436, 48.2053



0.8988, 0.3654, 4.4663

Previews

White Background



This preview shows how the XYZ color 72.8481, 87.4915, 28.9676 looks on a white background.

Color Contrast Check

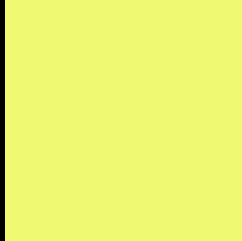
Large Text (above 18pt) WCAG AA × Fail

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 72.8481, 87.4915, 28.9676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

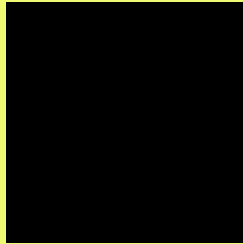
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.8481, 87.4915, 28.9676

Background



This preview shows how black text looks on a background with the XYZ color 72.8481, 87.4915, 28.9676.

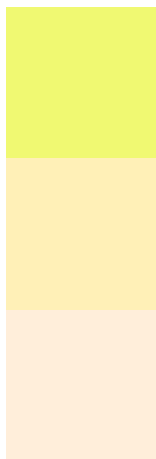


This preview shows how white text looks on a background with the XYZ color 72.8481, 87.4915,

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

72.8481, 87.4915, 28.9676

Protanopia

80.9473, 86.9991, 57.3259

Deuteranopia

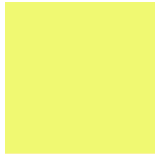
84.4694, 87.4710, 78.7612



Tritanopia

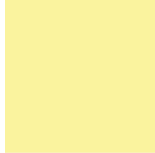
88.3924, 87.1975, 105.1005

Trichromacy



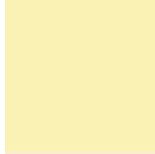
Original Color

72.8481, 87.4915, 28.9676



Protanomaly

77.6465, 86.8938, 45.0275



Deuteranomaly

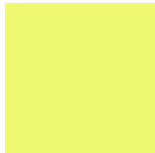
79.4147, 87.1235, 55.8109



Tritanomaly

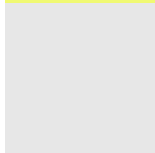
80.9515, 86.3213, 68.2722

Monochromacy



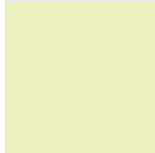
Original Color

72.8481, 87.4915, 28.9676



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.5833, 82.2723, 59.5788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8481, 87.4915, 28.9676 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(240, 249, 114)` looks like.

```
.text, #text, p{  
    color:rgb(240, 249, 114)  
}
```

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(240, 249, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 249, 114) }
```

Border

The CSS property to change the border of an element to XYZ 72.8481, 87.4915, 28.9676 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(240, 249, 114) }
```


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

```
.border{ border-color:rgb(240, 249, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 249, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 249, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 249, 114);  
box-shadow:4px 4px 4px 4px rgb(240, 249,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8481, 87.4915, 28.9676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 249, 114) }
```

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

```
.background{ background-color: rgb(240,  
249, 114) }
```

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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