

Converting Colors

XYZ(71.6624, 86.3824, 31.8901)

Have a look what the booklet for
XYZ(71.6624, 86.3824, 31.8901)
contains.

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Color

**XYZ(71.7976, 86.4229,
31.9659)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF87C
RGB	236, 248, 124
RGB Percent	93%, 97%, 49%
CMY	0.0745, 0.0274, 0.5137
CMYK	0.05, 0.00, 0.50, 0.03
HSL	66°, 90%, 73%
HSV	66°, 50%, 97%
XYZ	71.7976, 86.4229, 31.9659
YIQ	230.2760, 32.6520, -41.1080

Conversions

Conversions Part 2

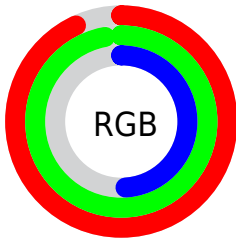
Format	Color
RYB	124, 248, 136
Decimal	15530108
CIELab	94.49, -20.90, 57.58
CIELCh	94, 61.255, 109.946
Yxy	86.4229, 0.3775, 0.4544
Android (android.graphics.Color)	4293720188 (0xFFEFCF87C)
YUV	230.2760, -52.3941, 5.0199
Hunter-Lab	92.9639, -24.8283, 44.6877

Details

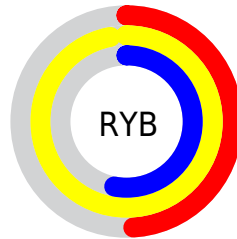
The XYZ color **71.7976, 86.4229, 31.9659** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.3073, 26.4289, 92.1051**, and the grayscale version is **75.7793, 79.7257, 86.8213**.

A 20% lighter version of the original color is **85.1367, 96.0347, 56.6972**, and **38.3152, 47.6064, 12.9639** is the 20% darker color. If you saturate the color by 10%, you get **69.6312, 85.4680, 24.6823**, and if you desaturate by 10%, it is **74.3733, 87.5490, 41.3306**.

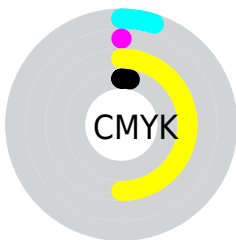
Distribution



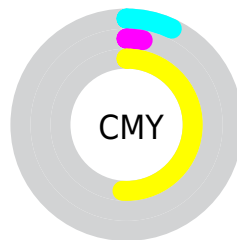
- Red (93%)
- Green (97%)
- Blue (49%)



- Red (49%)
- Yellow (97%)
- Blue (53%)



- Cyan (5%)
- Magenta (0%)
- Yellow (50%)
- Black (3%)



- Cyan (7%)
- Magenta (3%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.7976, 86.4229, 31.9659 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 71.7976, 86.4229, 31.9659 by changing the saturation by 10% instead.

71.7976, 86.4229,
31.9659

71.7976, 86.4229,
31.9659

456.0054,
516.3246, 325.4518

53.2782, 65.0177,
21.0709

120.7811,
142.3595, 63.8549

38.2533, 47.4755,
12.9841

151.9759,
177.6597, 85.6860

26.3574, 33.4117,
7.2870

188.1266,
218.3604, 111.9994

17.2253, 22.4420,
3.5611

229.5985,
264.8459, 143.2138

10.4916, 14.1820,
1.3878

276.7570,
317.5007, 179.7477

5.7908, 8.2474,
0.1321

329.9674,

2.7578, 4.2537,

376.7092, 222.0197

0.0000

389.5951,
442.8557, 270.4482

■ 1.0270, 1.8164,
0.0000

■ 0.0000, 0.4974,
0.0000

■ 71.7976, 86.4229,
31.9659

■ 71.7976, 86.4229,
31.9659

■ 69.6312, 85.4680,
24.6823

■ 74.3733, 87.5490,
41.3306

■ 67.8377, 84.6603,
19.3155


■ 77.3790, 88.8453,
52.9132


■ 66.3846, 83.9900,
15.6856


■ 80.8417, 90.3256,
66.8453


■ 65.2306, 83.4406,
13.5761


■ 84.7840, 91.9990,
83.2466


 64.3078, 82.9849,
12.6283

 89.2273, 93.8740,
102.2290

 64.3078, 82.9849,
12.6283

 91.1899, 94.7580,
108.0916

 92.0578, 95.2054,
108.1323

 92.8593, 95.6187,
108.1698

Harmonies

Analogous

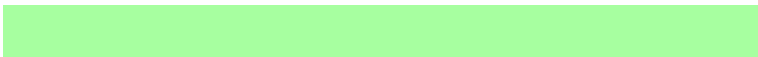
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8004, 86.4229, 30.0338



71.7976, 86.4229, 31.9659



60.1921, 86.4229, 46.9411

Triad

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



71.7976, 86.4229, 31.9659



63.3883, 86.4229, 182.0825



117.4691, 86.4229, 110.8517

Complementary

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



71.7976, 86.4229, 31.9659



34.3073, 26.4289, 92.1051

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.



108.8693, 86.4229, 165.4305



71.7976, 86.4229, 31.9659



76.7328, 86.4229, 214.7595

Square

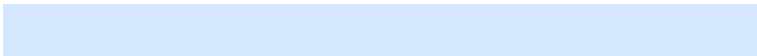
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.7976, 86.4229, 31.9659



55.8061, 86.4229, 128.5861



93.4359, 86.4229, 207.8131



115.6827, 86.4229, 66.4068

Rectangle

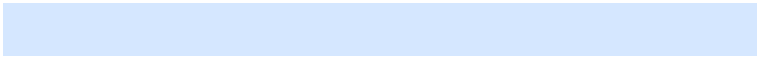
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.7976, 86.4229, 31.9659



55.8218, 86.4229, 66.2803



93.4359, 86.4229, 207.8131



115.6572, 86.4229, 128.7828

Sweetspot

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



71.7997, 86.4268, 31.9677



88.1425, 97.0811, 79.5682



50.9237, 38.5564, 23.8281



18.6789, 20.6998, 16.2546



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.



71.7997, 86.4268, 31.9677



74.1566, 91.0372, 26.2338



55.0379, 77.7858, 31.1833



18.5520, 20.1003, 18.3644



34.8037, 44.8602, 6.8245



3.2701, 4.1789, 0.6343

Inverse Universe

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



34.3073, 26.4289, 92.1051



30.1125, 20.4918, 96.9759



47.0054, 32.9750, 92.6994



16.4389, 16.7234, 21.7468



9.4073, 3.7923, 48.2097



0.9219, 0.3773, 4.4674

Previews

White Background



This preview shows how the XYZ color 71.7976, 86.4229, 31.9659 looks on a white background.

Color Contrast Check

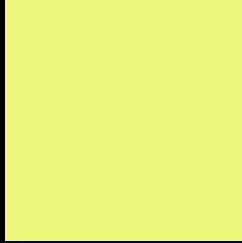
Large Text (above 18pt) WCAG AA × Fail

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 71.7976, 86.4229, 31.9659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

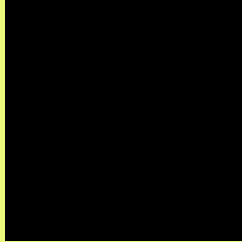
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.7976, 86.4229, 31.9659

Background



This preview shows how black text looks on a background with the XYZ color 71.7976, 86.4229, 31.9659.

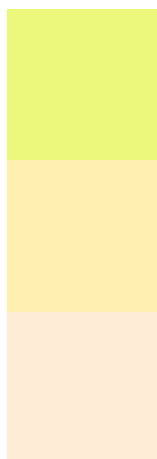


This preview shows how white text looks on a background with the XYZ color 71.7976, 86.4229, 31.9659.

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

71.7976, 86.4229, 31.9659

Protanopia

79.9430, 86.1276, 53.4851

Deuteranopia

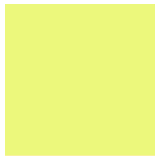
83.5012, 86.1572, 76.5190



Tritanopia

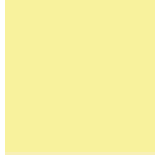
86.4178, 86.1979, 104.1786

Trichromacy



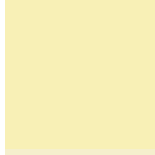
Original Color

71.7976, 86.4229, 31.9659



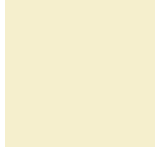
Protanomaly

76.5493, 85.8950, 44.4431



Deuteranomaly

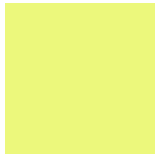
78.3150, 85.6540, 56.6612



Tritanomaly

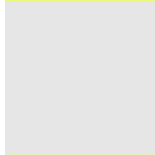
79.5421, 85.5533, 70.0787

Monochromacy



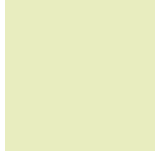
Original Color

71.7976, 86.4229, 31.9659



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.9669, 81.4858, 61.1728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7976, 86.4229, 31.9659 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(236, 248, 124)` looks like.

```
.text, #text, p{  
    color:rgb(236, 248, 124)  
}
```

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(236, 248, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 248, 124) }
```

Border

The CSS property to change the border of an element to XYZ 71.7976, 86.4229, 31.9659 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(236, 248, 124) }
```


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

```
.border{ border-color:rgb(236, 248, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 248, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 248, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 248, 124);  
box-shadow:4px 4px 4px 4px rgb(236, 248,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7976, 86.4229, 31.9659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 248, 124) }
```

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

```
.background{ background-color: rgb(236,  
248, 124) }
```

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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