

Converting Colors

XYZ(71.5380, 81.5790, 39.8522)

Have a look what the booklet for
XYZ(71.5380, 81.5790, 39.8522)
contains.

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Color

**XYZ(71.5164, 81.6379,
40.0053)**

Conversions

Conversions Part 1

Format	Color
Hex	EFEE94
RGB	239, 238, 148
RGB Percent	94%, 93%, 58%
CMY	0.0627, 0.0666, 0.4196
CMYK	0.00, 0.00, 0.38, 0.06
HSL	59°, 74%, 76%
HSV	59°, 38%, 94%
XYZ	71.5164, 81.6379, 40.0053
YIQ	228.0390, 29.4860, -27.7780

Conversions

Conversions Part 2

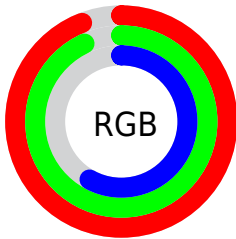
Format	Color
RYB	149, 239, 148
Decimal	15724180
CIELab	92.41, -12.53, 43.68
CIELCh	92, 45.439, 106.013
Yxy	81.6379, 0.3702, 0.4226
Android (android.graphics.Color)	4293914260 (0xFFEFEE94)
YUV	228.0390, -39.4592, 9.6128
Hunter-Lab	90.3537, -16.8333, 36.9961

Details

The XYZ color **71.5164, 81.6379, 40.0053** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.5400, 34.0218, 86.1968**, and the grayscale version is **74.0376, 77.8933, 84.8258**.

A 20% lighter version of the original color is **87.7795, 97.0918, 70.6140**, and **38.1307, 44.2455, 17.5969** is the 20% darker color. If you saturate the color by 10%, you get **69.7416, 80.8094, 31.0248**, and if you desaturate by 10%, it is **73.6860, 82.6303, 51.0462**.

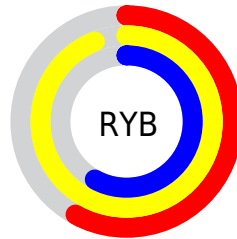
Distribution



Red (94%)

Green (93%)

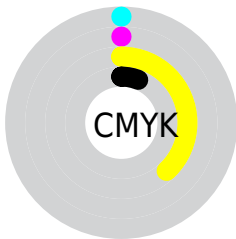
Blue (58%)



Red (58%)

Yellow (94%)

Blue (58%)

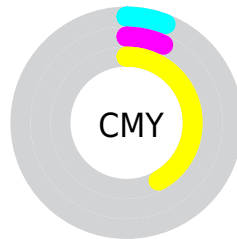


Cyan (0%)

Magenta (0%)

Yellow (38%)

Black (6%)



Cyan (6%)


Magenta (7%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5164, 81.6379, 40.0053 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 71.5164, 81.6379, 40.0053 by changing the saturation by 10% instead.


 71.5164, 81.6379,
40.0053


 71.5164, 81.6379,
40.0053


455.0404,
500.4357, 361.6987

 53.0478, 61.0671,
27.2289


 120.3833,
135.6661, 76.4088

 38.0685, 44.2793,
17.5112


 151.5122,
169.8923, 100.8729

 26.2133, 30.8902,
10.4338


187.5920,
209.4391, 130.0699

 17.1168, 20.5152,
5.5782

228.9879,
254.6908, 164.4185

 10.4136, 12.7701,
2.5257

276.0653,
306.0320, 204.3371

 5.7384, 7.2704,
0.8537

329.1897,

 2.7258, 3.6318,

363.8469, 250.2443

0.0000

388.7262,
428.5200, 302.5587

■ 1.0105, 1.4698,
0.0000

■ 0.0000, 0.2673,
0.0000

■ 71.5164, 81.6379,
40.0053

■ 71.5164, 81.6379,
40.0053

■ 69.7416, 80.8094,
31.0248

■ 73.6860, 82.6303,
51.0462

■ 68.3312, 80.1239,
23.9721

■ 76.2664, 83.7843,
64.2591


■ 67.2605, 79.5745,
18.7072


■ 79.2803, 85.1119,
79.7535


■ 66.4988, 79.1489,
15.0690


■ 82.7466, 86.6206,
97.6301


 66.0100, 78.8326,
12.8675

 84.6042, 87.4860,
107.0351


 65.7442, 78.6056,
11.8395

 84.6808, 87.6392,
107.0606

 65.7045, 78.5665,
11.7019

 84.7575, 87.7926,
107.0862

 84.8343, 87.9463,
107.1118

 84.9113, 88.1001,
107.1375

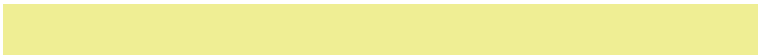
Harmonies

Analogous

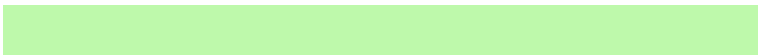
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1949, 81.6379, 39.6579



71.5164, 81.6379, 40.0053



62.4214, 81.6379, 51.0420

Triad

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



71.5164, 81.6379, 40.0053



62.9121, 81.6379, 144.1645



101.6958, 81.6379, 105.4969

Complementary

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



71.5164, 81.6379, 40.0053



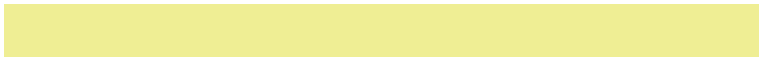
38.5400, 34.0218, 86.1968

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.



95.0461, 81.6379, 141.9389



71.5164, 81.6379, 40.0053



72.2510, 81.6379, 167.7972

Square

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



71.5164, 81.6379, 40.0053



57.8077, 81.6379, 107.9980



84.0073, 81.6379, 166.8928



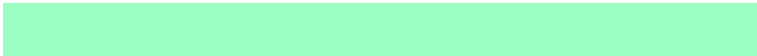
101.4480, 81.6379, 72.1799

Rectangle

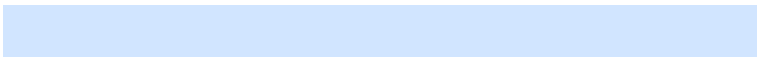
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.5164, 81.6379, 40.0053



58.6970, 81.6379, 65.0550



84.0073, 81.6379, 166.8928



100.1662, 81.6379, 117.9333

Sweetspot

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



71.5184, 81.6416, 40.0070



90.7606, 98.1280, 86.7939



51.6532, 41.7178, 33.9815



19.3228, 20.9578, 18.0441



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.



71.5184, 81.6416, 40.0070



81.1585, 93.7918, 37.7572



58.7222, 75.4756, 39.4913



17.1073, 18.4277, 16.8050



36.3166, 43.4313, 6.4690



3.0259, 3.6226, 0.5397

Inverse Universe

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



38.5400, 34.0218, 86.1968



37.7115, 31.0574, 98.6148



47.9046, 38.6170, 86.5902



14.9111, 15.2564, 19.8805



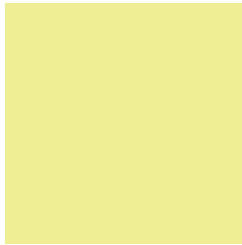
8.6316, 3.4875, 45.3461



0.7229, 0.2998, 3.7740

Previews

White Background



This preview shows how the XYZ color 71.5164, 81.6379, 40.0053 looks on a white background.

Color Contrast Check

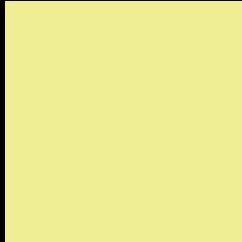
Large Text (above 18pt) WCAG AA × Fail

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 71.5164, 81.6379, 40.0053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

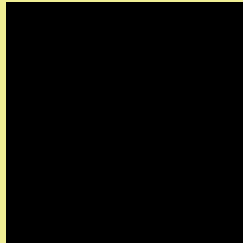
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.5164, 81.6379, 40.0053

Background



This preview shows how black text looks on a background with the XYZ color 71.5164, 81.6379, 40.0053.

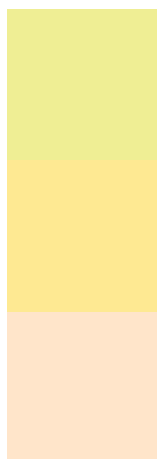


This preview shows how white text looks on a background with the XYZ color 71.5164, 81.6379,

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

71.5164, 81.6379, 40.0053

Protanopia

75.2003, 81.4240, 38.9470

Deuteranopia

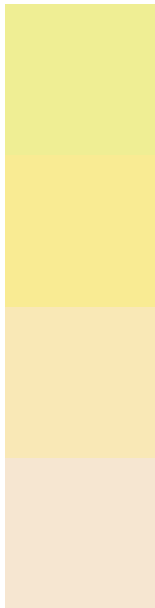
79.9200, 81.5629, 67.4081



Tritanopia

82.9498, 81.2484, 96.8985

Trichromacy



Original Color

71.5164, 81.6379, 40.0053

Protanomaly

74.0417, 81.6630, 39.4639

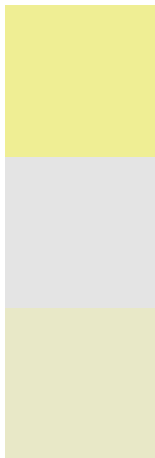
Deuteranomaly

76.3670, 81.2304, 55.9100

Tritanomaly

77.8115, 80.7899, 71.8145

Monochromacy



Original Color

71.5164, 81.6379, 40.0053

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.4441, 78.9926, 65.4617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5164, 81.6379, 40.0053 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(239, 238, 148)` looks like.

```
.text, #text, p{  
    color:rgb(239, 238, 148)  
}
```

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(239, 238, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 238, 148) }
```

Border

The CSS property to change the border of an element to XYZ 71.5164, 81.6379, 40.0053 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(239, 238, 148) }
```


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

```
.border{ border-color:rgb(239, 238, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 238, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(239, 238, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(239, 238, 148); box-shadow:4px 4px 4px 4px rgb(239, 238, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5164, 81.6379, 40.0053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 238, 148) }
```

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

```
.background{ background-color: rgb(239,  
238, 148) }
```

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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