

Converting Colors

XYZ(71.5433, 81.9648, 45.5478)

Have a look what the booklet for
XYZ(71.5433, 81.9648, 45.5478)
contains.

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Color

**XYZ(71.5605, 81.9684,
45.7681)**

Conversions

Conversions Part 1

Format	Color
Hex	EBEFA1
RGB	235, 239, 161
RGB Percent	92%, 94%, 63%
CMY	0.0784, 0.0627, 0.3686
CMYK	0.02, 0.00, 0.33, 0.06
HSL	63°, 71%, 78%
HSV	63°, 33%, 94%
XYZ	71.5605, 81.9684, 45.7681
YIQ	228.9120, 22.6540, -25.1060

Conversions

Conversions Part 2

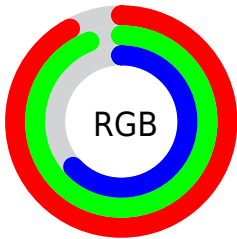
Format	Color
RYB	161, 239, 165
Decimal	15462305
CIELab	92.56, -13.07, 37.36
CIELCh	93, 39.577, 109.285
Yxy	81.9684, 0.3591, 0.4113
Android (android.graphics.Color)	4293652385 (0xFFEBEFA1)
YUV	228.9120, -33.4806, 5.3392
Hunter-Lab	90.5364, -17.3513, 33.4031

Details

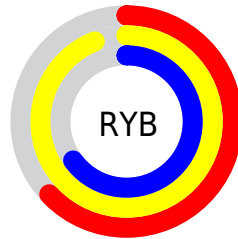
The XYZ color **71.5605, 81.9684, 45.7681** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.8450, 39.7232, 87.0226**, and the grayscale version is **74.6401, 78.5272, 85.5161**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **38.0004, 44.4147, 20.7574** is the 20% darker color. If you saturate the color by 10%, you get **69.2481, 80.9996, 35.6900**, and if you desaturate by 10%, it is **74.2827, 83.1071, 57.9715**.

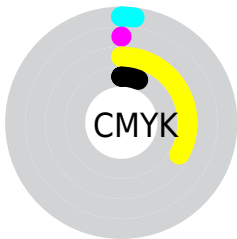
Distribution



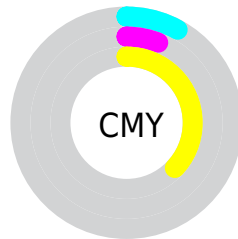
- Red (92%)
- Green (94%)
- Blue (63%)



- Red (63%)
- Yellow (94%)
- Blue (65%)



- Cyan (2%)
- Magenta (0%)
- Yellow (33%)
- Black (6%)





- Cyan (8%)
- Magenta (6%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.5605, 81.9684, 45.7681 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 71.5605, 81.9684, 45.7681 by changing the saturation by 10% instead.


 71.5605, 81.9684,
45.7681


 71.5605, 81.9684,
45.7681

455.1918,
501.5420, 386.1260

 53.0839, 61.3395,
31.7155


 120.4457,
136.1297, 85.2025

 38.0975, 44.4992,
20.8813


 151.5849,
170.4309, 111.4213

 26.2359, 31.0632,
12.8469


187.6758,
210.0582, 142.5327

 17.1338, 20.6469,
7.1937

229.0837,
255.3962, 178.9551

 10.4259, 12.8662,
3.5032

276.1738,
306.8292, 221.1071

 5.7466, 7.3365,
1.3570

329.3117,

 2.7308, 3.6734,

364.7415, 269.4072

0.1078

388.8626,
429.5177, 324.2740

■ 1.0131, 1.4926,
0.0000

■ 0.0000, 0.2835,
0.0000

■ 71.5605, 81.9684,
45.7681

■ 71.5605, 81.9684,
45.7681

■ 69.2481, 80.9996,
35.6900

■ 74.2827, 83.1071,
57.9715

■ 67.3163, 80.1806,
27.6107


■ 77.4298, 84.4133,
72.4067


■ 65.7418, 79.5048,
21.3985

■ 81.0236, 85.8984,
89.1792


■ 64.4962, 78.9609,
16.9037

■ 84.8229, 87.4661,
107.0197


 63.5467, 78.5357,
13.9534


 85.2408, 87.6815,
107.0393

 62.8537, 78.2134,
12.3392

 85.6616, 87.8984,
107.0590

 62.4623, 78.0239,
11.7680

 86.0852, 88.1168,
107.0788

 86.5116, 88.3366,
107.0988

 86.9408, 88.5579,
107.1189

Harmonies

Analogous

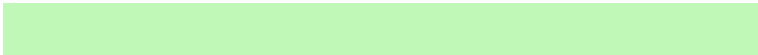
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6419, 81.9684, 44.3795



71.5605, 81.9684, 45.7681



63.8652, 81.9684, 57.1799

Triad

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



71.5605, 81.9684, 45.7681



65.7123, 81.9684, 139.4053



98.9905, 81.9684, 100.1947

Complementary

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



71.5605, 81.9684, 45.7681



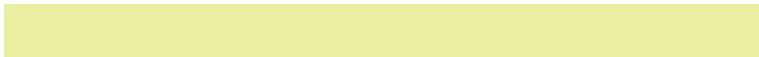
43.8450, 39.7232, 87.0226

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.



93.8729, 81.9684, 131.5061



71.5605, 81.9684, 45.7681



74.2907, 81.9684, 157.2333

Square

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



71.5605, 81.9684, 45.7681



60.6998, 81.9684, 109.2834



84.6212, 81.9684, 154.0609



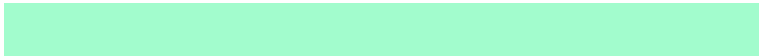
98.0963, 81.9684, 71.8273

Rectangle

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



71.5605, 81.9684, 45.7681



60.8428, 81.9684, 70.6847



84.6212, 81.9684, 154.0609



97.8997, 81.9684, 110.8101

Sweetspot

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



71.5626, 81.9721, 45.7698



90.7326, 98.2176, 88.6711



55.4695, 47.8003, 40.0222



19.2998, 20.9727, 18.4186



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

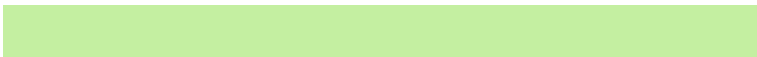
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.5626, 81.9721, 45.7698



81.1086, 94.2093, 45.1624



60.0936, 76.0596, 45.2331



17.0380, 18.4153, 16.8062



34.5512, 43.1334, 6.5045



2.8988, 3.6009, 0.5423

Inverse Universe

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



43.8450, 39.7232, 87.0226



44.4921, 38.3877, 99.6723



53.2019, 44.5469, 87.4605



14.9723, 15.2675, 19.8794



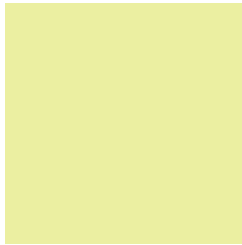
8.7279, 3.5048, 45.3444



0.7523, 0.3051, 3.7735

Previews

White Background



This preview shows how the XYZ color 71.5605, 81.9684, 45.7681 looks on a white background.

Color Contrast Check

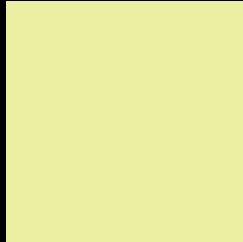
Large Text (above 18pt) WCAG AA × Fail

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 71.5605, 81.9684, 45.7681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

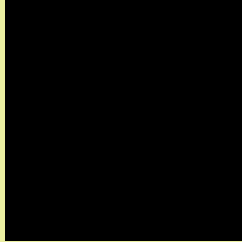
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.5605, 81.9684, 45.7681

Background



This preview shows how black text looks on a background with the XYZ color 71.5605, 81.9684, 45.7681.



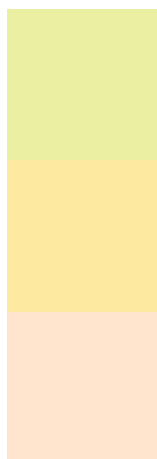
This preview shows how white text looks on a background with the XYZ color 71.5605, 81.9684,

45.7681.

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

71.5605, 81.9684, 45.7681

Protanopia

75.9049, 81.6637, 44.5629

Deuteranopia

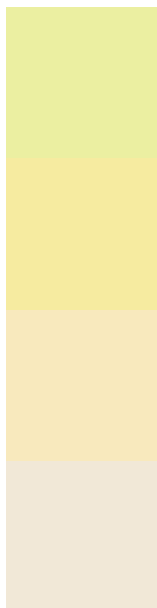
80.2788, 81.7064, 69.2974



Tritanopia

82.0341, 81.5531, 98.6064

Trichromacy



Original Color

71.5605, 81.9684, 45.7681

Protanomaly

74.0595, 81.5476, 45.0946

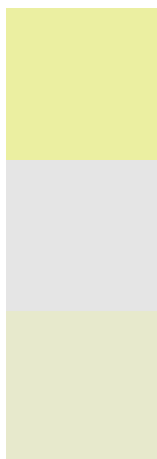
Deuteranomaly

77.0356, 81.9084, 59.8938

Tritanomaly

77.3980, 81.3203, 75.9071

Monochromacy



Original Color

71.5605, 81.9684, 45.7681

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

72.9930, 79.6264, 68.6490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5605, 81.9684, 45.7681 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(235, 239, 161)` looks like.

```
.text, #text, p{  
    color:rgb(235, 239, 161)  
}
```

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(235, 239, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 239, 161) }
```

Border

The CSS property to change the border of an element to XYZ 71.5605, 81.9684, 45.7681 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(235, 239, 161) }
```


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

```
.border{ border-color:rgb(235, 239, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 239, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 239, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 239, 161);  
box-shadow:4px 4px 4px 4px rgb(235, 239,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5605, 81.9684, 45.7681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 239, 161) }
```

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

```
.background{ background-color: rgb(235,  
239, 161) }
```

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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