

Converting Colors

XYZ(71.8212, 85.2716, 21.0373)

Have a look what the booklet for
XYZ(71.8212, 85.2716, 21.0373)
contains.

XYZ(71.9088, 85.3574, 21.0731)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(71.9088, 85.3574,
21.0731)**

Conversions

Conversions Part 1

Format	Color
Hex	F5F554
RGB	245, 245, 84
RGB Percent	96%, 96%, 33%
CMY	0.0392, 0.0392, 0.6706
CMYK	0.00, 0.00, 0.66, 0.04
HSL	60°, 89%, 65%
HSV	60°, 66%, 96%
XYZ	71.9088, 85.3574, 21.0731
YIQ	226.6460, 51.6810, -50.0710

Conversions

Conversions Part 2

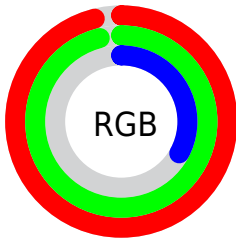
Format	Color
RYB	84, 245, 84
Decimal	16119124
CIELab	94.04, -18.70, 74.03
CIElCh	94, 76.356, 104.173
Yxy	85.3574, 0.4032, 0.4786
Android (android.graphics.Color)	4294309204 (0xFFFF5F554)
YUV	226.6460, -70.3245, 16.0965
Hunter-Lab	92.3891, -22.7497, 51.1488

Details

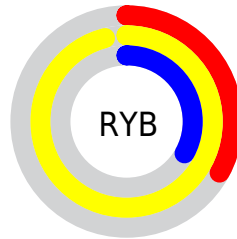
The XYZ color **71.9088, 85.3574, 21.0731** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **23.3105, 14.8198, 88.0235**, and the grayscale version is **73.2269, 77.0404, 83.8970**.

A 20% lighter version of the original color is **81.8077, 94.7031, 39.1671**, and **38.2600, 46.7314, 7.2907** is the 20% darker color. If you saturate the color by 10%, you get **71.1125, 85.0420, 16.8733**, and if you desaturate by 10%, it is **73.0445, 85.8149, 27.0430**.

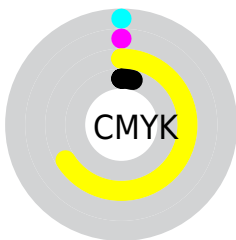
Distribution



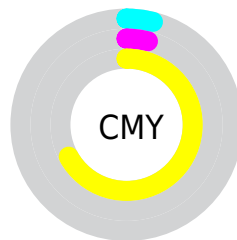
- Red (96%)
- Green (96%)
- Blue (33%)



- Red (33%)
- Yellow (96%)
- Blue (33%)



- Cyan (0%)
- Magenta (0%)
- Yellow (66%)
- Black (4%)





- Cyan (4%)
- Magenta (4%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.9088, 85.3574, 21.0731 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 71.9088, 85.3574, 21.0731 by changing the saturation by 10% instead.


 71.9088, 85.3574,
21.0731


 71.9088, 85.3574,
21.0731


456.3867,
512.8099, 270.4605


 53.3694, 64.1367,
12.9857


 120.9384,
140.8724, 46.0915


 38.3264, 46.7614,
7.2881


 152.1592,
175.9355, 63.8596

 26.4145, 32.8471,
3.5617


 188.3379,
216.3816, 85.6917

 17.2683, 22.0093,
1.3881

 229.8398,
262.5950, 112.0063

 10.5224, 13.8638,
0.1324

277.0303,
314.9602, 143.2219

 5.8116, 8.0260,
0.0000

330.2747,

 2.7704, 4.1116,

373.8614, 179.7571

0.0000

389.9384,
439.6832, 222.0305

■ 1.0336, 1.7362,
0.0000

■ 0.0000, 0.4469,
0.0000

■ 71.9088, 85.3574,
21.0731

■ 71.9088, 85.3574,
21.0731

■ 71.1125, 85.0420,
16.8733

■ 73.0445, 85.8149,
27.0430

■ 70.6130, 84.8422,
14.2449


■ 74.5452, 86.4152,
34.9435


■ 70.3667, 84.7436,
12.9502


■ 76.4407, 87.1735,
44.9231


■ 70.3090, 84.7205,
12.6470


■ 78.7562, 88.0997,
57.1143

 81.5148, 89.2032,
71.6386

 84.7378, 90.4925,
88.6087

 88.3631, 91.9426,
107.6972

 88.3635, 91.9428,
107.6972

 88.3639, 91.9430,
107.6972

Harmonies

Analogous

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



92.2919, 85.3574, 21.3863



71.9088, 85.3574, 21.0731



56.7745, 85.3574, 33.4523

Triad

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



71.9088, 85.3574, 21.0731



56.1466, 85.3574, 195.1153



124.9669, 85.3574, 127.0263

Complementary

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



71.9088, 85.3574, 21.0731



23.3105, 14.8198, 88.0235

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.



111.6107, 85.3574, 198.8934



71.9088, 85.3574, 21.0731



70.9058, 85.3574, 248.1010

Square

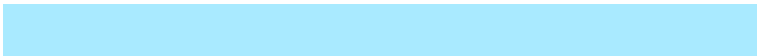
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.9088, 85.3574, 21.0731



48.7611, 85.3574, 123.2131



91.1069, 85.3574, 249.7172



125.3576, 85.3574, 68.0818

Rectangle

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



71.9088, 85.3574, 21.0731



50.7247, 85.3574, 52.1235



91.1069, 85.3574, 249.7172



121.7560, 85.3574, 150.8990

Sweetspot

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



71.9108, 85.3614, 21.0749



87.8982, 97.1392, 71.2437



42.4297, 26.3953, 11.2471



18.6340, 20.7198, 14.3020



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.



71.9108, 85.3614, 21.0749



77.6519, 93.0404, 17.3008



49.6693, 73.8955, 20.0340



17.9147, 19.3136, 17.5813



37.8746, 45.6379, 6.8128



3.3288, 4.0111, 0.5988

Inverse Universe

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



23.3105, 14.8198, 88.0235



20.8461, 10.5888, 95.5529



35.0676, 20.8809, 88.5737



15.5813, 15.9268, 20.7955



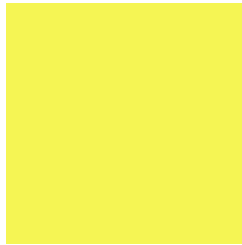
8.8790, 3.5516, 46.7556



0.7804, 0.3122, 4.1094

Previews

White Background



This preview shows how the XYZ color 71.9088, 85.3574, 21.0731 looks on a white background.

Color Contrast Check

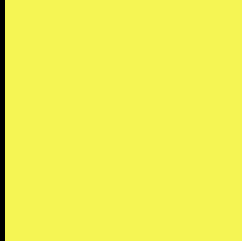
Large Text (above 18pt) WCAG AA × Fail

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 71.9088, 85.3574, 21.0731 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 71.9088, 85.3574, 21.0731

Background



This preview shows how black text looks on a background with the XYZ color 71.9088, 85.3574, 21.0731.



This preview shows how white text looks on a background with the XYZ color 71.9088, 85.3574,

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

71.9088, 85.3574, 21.0731

Protanopia

78.6975, 85.1622, 48.3665

Deuteranopia

82.5812, 85.3298, 73.0906



Tritanopia

86.2973, 85.0044, 98.2453

Trichromacy



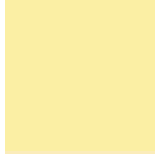
Original Color

71.9088, 85.3574, 21.0731



Protanomaly

75.6829, 85.1974, 35.7484



Deuteranomaly

77.3510, 84.9226, 47.4368



Tritanomaly

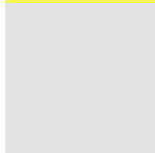
78.6420, 84.0453, 58.5319

Monochromacy



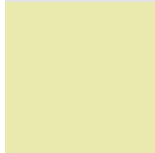
Original Color

71.9088, 85.3574, 21.0731



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

71.0924, 79.4332, 52.1426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.9088, 85.3574, 21.0731 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(245, 245, 84)` looks like.

```
.text, #text, p{  
    color:rgb(245, 245, 84)  
}
```

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(245, 245, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 245, 84) }
```

Border

The CSS property to change the border of an element to XYZ 71.9088, 85.3574, 21.0731 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(245, 245, 84) }
```


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

```
.border{ border-color:rgb(245, 245, 84) }
```

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

Here you see how a box with a 4 pixel rgb(245, 245, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 245, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 245, 84);  
box-shadow:4px 4px 4px 4px rgb(245, 245,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 71.9088, 85.3574, 21.0731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 245, 84) }
```

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

```
.background{ background-color: rgb(245,  
245, 84) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor