

Converting Colors

XYZ(70.3594, 88.1807, 23.9027)

Have a look what the booklet for
XYZ(70.3594, 88.1807, 23.9027)
contains.

XYZ(70.4244, 88.2145, 23.9050)	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(70.4244, 88.2145,
23.9050)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FD5E
RGB	232, 253, 94
RGB Percent	91%, 99%, 37%
CMY	0.0902, 0.0078, 0.6314
CMYK	0.08, 0.00, 0.63, 0.01
HSL	68°, 98%, 68%
HSV	68°, 63%, 99%
XYZ	70.4244, 88.2145, 23.9050
YIQ	228.5950, 38.5230, -53.9010

Conversions

Conversions Part 2

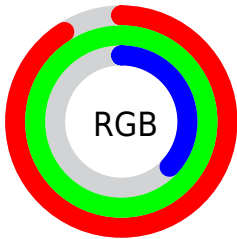
Format	Color
R _Y B	94, 253, 115
Decimal	15269214
CIE Lab	95.25, -27.09, 71.16
CIE LCh	95, 76.140, 110.839
Yxy	88.2145, 0.3858, 0.4833
Android (android.graphics.Color)	4293459294 (0xFFE8FD5E)
YUV	228.5950, -66.3553, 2.9862
Hunter-Lab	93.9226, -30.5228, 50.6554

Details

The XYZ color **70.4244, 88.2145, 23.9050** 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 **28.8055, 18.7442, 95.0335**, and the grayscale version is **74.6329, 78.5196, 85.5078**.

A 20% lighter version of the original color is **82.5859, 95.0144, 43.2650**, and **37.2208, 48.4630, 8.6889** is the 20% darker color. If you saturate the color by 10%, you get **68.3960, 87.2822, 18.8245**, and if you desaturate by 10%, it is **72.8495, 89.3143, 30.9489**.

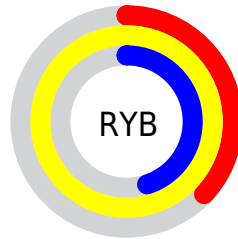
Distribution



Red (91%)

Green (99%)

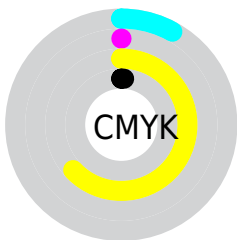
Blue (37%)



Red (37%)

Yellow (99%)

Blue (45%)

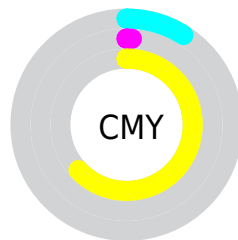


Cyan (8%)

Magenta (0%)

Yellow (63%)

Black (1%)



Cyan (9%)


Magenta (1%)


Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4244, 88.2145, 23.9050 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 70.4244, 88.2145, 23.9050 by changing the saturation by 10% instead.


 70.4244, 88.2145,
23.9050

 70.4244, 88.2145,
23.9050


451.2820,
522.2054, 285.6109


 52.1534, 66.5007,
15.0516


 118.8368,
144.8557, 50.8170


 37.3522, 48.6790,
8.7086


 149.7089,
180.5520, 69.7127

 25.6552, 34.3649,
4.4574


 185.5121,
221.6779, 92.7930

 16.6972, 23.1741,
1.8795

 226.6117,
268.6178, 120.4763

 10.1128, 14.7221,
0.4796

273.3732,
321.7561, 153.1812

 5.5366, 8.6246,
0.0000

326.1618,

 2.6034, 4.4971,

381.4772, 191.3262

0.0000

385.3429,
448.1655, 235.3300

■ 0.9477, 1.9554,
0.0000

■ 0.0000, 0.5813,
0.0000

■ 70.4244, 88.2145,
23.9050

■ 70.4244, 88.2145,
23.9050

■ 68.3960, 87.2822,
18.8245

■ 72.8495, 89.3143,
30.9489

■ 66.7202, 86.4901,
15.5022

■ 75.6981, 90.5827,
40.1236

■ 65.3529, 85.8237,
13.6979

■ 79.0015, 92.0354,
51.5848

■ 64.5155, 85.4047,
13.0844

■ 82.7865, 93.6832,
65.4722

87.0776, 95.5358,
81.9143

91.8974, 97.6024,
101.0305

94.4173, 98.7345,
108.6891

Harmonies

Analogous

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



90.3656, 88.2145, 21.5999



70.4244, 88.2145, 23.9050



56.5336, 88.2145, 40.4125

Triad

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



70.4244, 88.2145, 23.9050



61.0684, 88.2145, 214.8382



129.7785, 88.2145, 115.4353

Complementary

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



70.4244, 88.2145, 23.9050



28.8055, 18.7442, 95.0335

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.



118.7821, 88.2145, 187.9017



70.4244, 88.2145, 23.9050



77.6463, 88.2145, 259.0077

Square

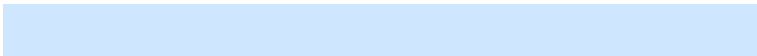
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.4244, 88.2145, 23.9050



51.7841, 88.2145, 142.7589



98.8712, 88.2145, 247.5116



126.9843, 88.2145, 60.8349

Rectangle

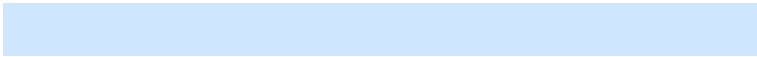
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4244, 88.2145, 23.9050



51.4943, 88.2145, 63.1874



98.8712, 88.2145, 247.5116



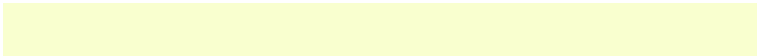
127.5129, 88.2145, 138.6962

Sweetspot

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



70.4265, 88.2185, 23.9068



85.8917, 96.0691, 72.7597



48.3865, 33.4033, 14.4881



18.1252, 20.4506, 14.5907



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.



70.4265, 88.2185, 23.9068



69.2257, 88.6661, 18.2790



50.6569, 78.0269, 22.9816



19.3113, 20.9619, 19.1726



34.4076, 45.4759, 6.9642



3.4129, 4.4602, 0.6810

Inverse Universe

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



28.8055, 18.7442, 95.0335



23.9908, 12.9834, 95.8493



43.4861, 26.3123, 95.7206



17.2261, 17.4928, 22.7185



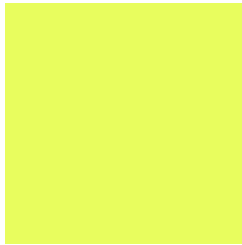
9.8390, 3.9827, 49.6847



1.0237, 0.4217, 4.8407

Previews

White Background



This preview shows how the XYZ color 70.4244, 88.2145, 23.9050 looks on a white background.

Color Contrast Check

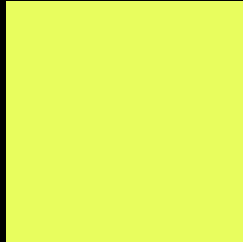
Large Text (above 18pt) WCAG AA × Fail

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 70.4244, 88.2145, 23.9050 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 70.4244, 88.2145, 23.9050

Background



This preview shows how black text looks on a background with the XYZ color 70.4244, 88.2145, 23.9050.

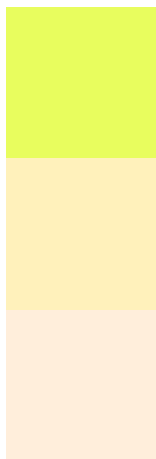


This preview shows how white text looks on a background with the XYZ color 70.4244, 88.2145,

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

70.4244, 88.2145, 23.9050

Protanopia

81.6649, 87.7585, 59.6486

Deuteranopia

84.6007, 87.5235, 79.4526



Tritanopia

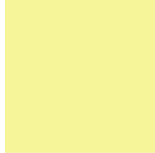
87.0456, 87.7448, 106.9564

Trichromacy



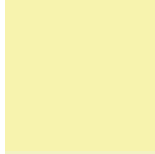
Original Color

70.4244, 88.2145, 23.9050



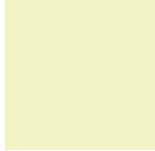
Protanomaly

76.7599, 87.3789, 42.9571



Deuteranomaly

78.0483, 86.9313, 52.7102



Tritanomaly

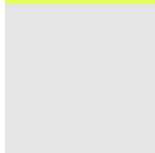
78.6323, 86.9640, 64.8659

Monochromacy



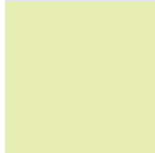
Original Color

70.4244, 88.2145, 23.9050



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.4459, 81.2674, 55.1006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4244, 88.2145, 23.9050 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(232, 253, 94)` looks like.

```
.text, #text, p{  
    color:rgb(232, 253, 94)  
}
```

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(232, 253, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 253, 94) }
```

Border

The CSS property to change the border of an element to XYZ 70.4244, 88.2145, 23.9050 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(232, 253, 94) }
```


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

```
.border{ border-color:rgb(232, 253, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 253, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 253, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 253, 94);  
box-shadow:4px 4px 4px 4px rgb(232, 253,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4244, 88.2145, 23.9050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 253, 94) }
```

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

```
.background{ background-color: rgb(232,  
253, 94) }
```

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