

Converting Colors

XYZ(70.8710, 89.4263, 22.3320)

Have a look what the booklet for
XYZ(70.8710, 89.4263, 22.3320)
contains.

XYZ(70.7184, 89.3477, 22.3227)	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(70.7184, 89.3477,
22.3227)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FF56
RGB	232, 255, 86
RGB Percent	91%, 100%, 34%
CMY	0.0902, 0.0000, 0.6627
CMYK	0.09, 0.00, 0.66, 0.00
HSL	68°, 100%, 67%
HSV	68°, 66%, 100%
XYZ	70.7184, 89.3477, 22.3227
YIQ	228.8570, 40.5410, -57.4350

Conversions

Conversions Part 2

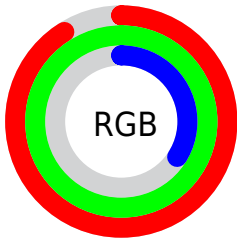
Format	Color
R_{YB}	86, 255, 109
Decimal	15269718
CIE _{Lab}	95.73, -28.50, 74.70
CIE _{LCh}	96, 79.953, 110.885
Yxy	89.3477, 0.3877, 0.4899
Android (android.graphics.Color)	4293459798 (0xFFE8FF56)
YUV	228.8570, -70.4285, 2.7564
Hunter-Lab	94.5239, -31.8714, 52.1649

Details

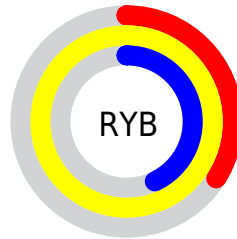
The XYZ color **70.7184, 89.3477, 22.3227** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **27.6857, 17.1281, 96.4546**, and the grayscale version is **74.8512, 78.7493, 85.7580**.

A 20% lighter version of the original color is **82.0340, 94.7936, 40.3589**, and **37.4940, 49.2989, 7.8873** is the 20% darker color. If you saturate the color by 10%, you get **68.7519, 88.4322, 17.7909**, and if you desaturate by 10%, it is **73.0735, 90.4211, 28.7870**.

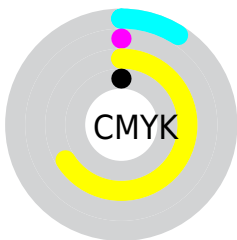
Distribution



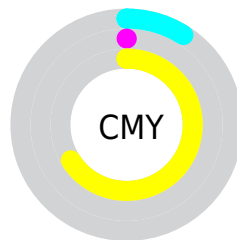
- Red (91%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (43%)



- Cyan (9%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7184, 89.3477, 22.3227 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 70.7184, 89.3477, 22.3227 by changing the saturation by 10% instead.

70.7184, 89.3477,
22.3227

70.7184, 89.3477,
22.3227

452.2956,
525.9067, 277.2352

52.3941, 67.4398,
13.8936

119.2534,
146.4320, 48.1878

37.5449, 49.4421,
7.9088

150.1948,
182.3771, 66.4609

25.8052, 34.9703,
3.9497

186.0726,
223.7701, 88.8524

16.8099, 23.6400,
1.5978

227.2522,
270.9953, 115.7809

10.1935, 15.0668,
0.2892

274.0990,
324.4372, 147.6648

5.5907, 8.8663,
0.0000

326.9782,

2.6361, 4.6541,

384.4801, 184.9229

0.0000

386.2553,
451.5085, 227.9734

0.9644, 2.0458,
0.0000

0.0000, 0.6339,
0.0000

70.7184, 89.3477,
22.3227

70.7184, 89.3477,
22.3227

68.7519, 88.4322,
17.7909

73.0735, 90.4211,
28.7870

67.1329, 87.6583,
14.9720

75.8523, 91.6667,
37.3647

65.8100, 87.0053,
13.5981

79.0859, 93.0968,
48.2198

65.3641, 86.7815,
13.3055

82.8023, 94.7226,
61.4993

87.0272, 96.5544,
77.3379

91.7845, 98.6018,
95.8603

95.0500, 100.0000,
108.9000

Harmonies

Analogous

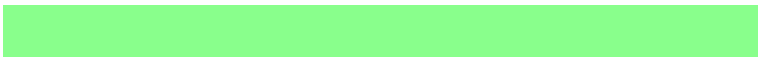
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8007, 89.3477, 19.9987



70.7184, 89.3477, 22.3227



56.1504, 89.3477, 39.1267

Triad

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



70.7184, 89.3477, 22.3227



60.9352, 89.3477, 224.7886



133.9058, 89.3477, 117.7638

Complementary

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



70.7184, 89.3477, 22.3227



27.6857, 17.1281, 96.4546

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.



122.1490, 89.3477, 195.4649



70.7184, 89.3477, 22.3227



78.3964, 89.3477, 272.6044

Square

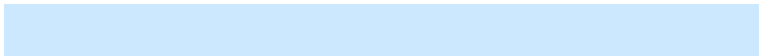
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.7184, 89.3477, 22.3227



51.2169, 89.3477, 147.1739



100.9111, 89.3477, 260.0242



130.8875, 89.3477, 60.1747

Rectangle

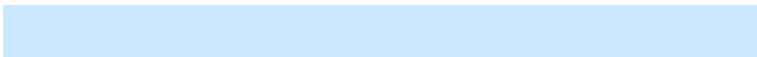
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.7184, 89.3477, 22.3227



50.8986, 89.3477, 62.7638



100.9111, 89.3477, 260.0242



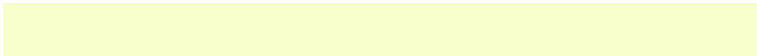
131.4847, 89.3477, 142.5882

Sweetspot

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



70.7184, 89.3477, 22.3239



85.3913, 95.8468, 71.1264



48.3395, 32.7710, 12.5830



18.0235, 20.4051, 14.2735



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.



70.7184, 89.3477, 22.3239



68.1102, 88.1281, 16.5526



49.6473, 78.4851, 21.3378



19.3038, 20.9580, 19.1722



34.2483, 45.3937, 6.9568



3.3989, 4.4530, 0.6804

Inverse Universe

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



27.6857, 17.1281, 96.4546



22.4388, 11.2399, 95.5946



43.3796, 25.2186, 97.1891



17.2329, 17.4963, 22.7188



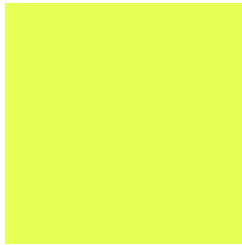
9.8583, 3.9926, 49.6856



1.0269, 0.4233, 4.8409

Previews

White Background



This preview shows how the XYZ color 70.7184, 89.3477, 22.3227 looks on a white background.

Color Contrast Check

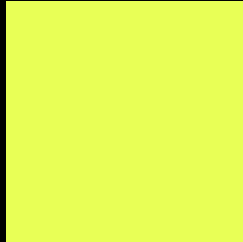
Large Text (above 18pt) WCAG AA × Fail

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 70.7184, 89.3477, 22.3227 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 70.7184, 89.3477, 22.3227

Background



This preview shows how black text looks on a background with the XYZ color 70.7184, 89.3477, 22.3227.

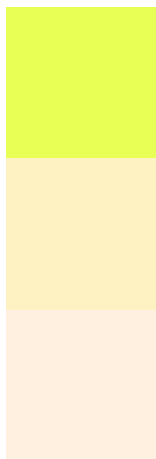


This preview shows how white text looks on a background with the XYZ color 70.7184, 89.3477,

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

70.7184, 89.3477, 22.3227

Protanopia

82.7297, 88.6593, 63.7916

Deuteranopia

85.7194, 88.9079, 82.4551



Tritanopia

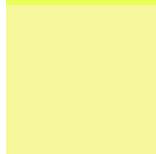
87.6279, 88.9095, 107.1505

Trichromacy



Original Color

70.7184, 89.3477, 22.3227



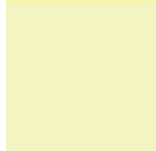
Protanomaly

77.5349, 88.6622, 44.0373



Deuteranomaly

78.5530, 88.0961, 52.3992



Tritanomaly

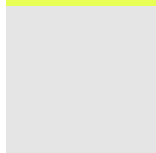
79.0080, 88.0771, 63.8754

Monochromacy



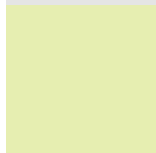
Original Color

70.7184, 89.3477, 22.3227



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.1435, 81.1464, 53.5081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7184, 89.3477, 22.3227 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, 255, 86)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 86)  
}
```

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, 255, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 86) }
```

Border

The CSS property to change the border of an element to XYZ 70.7184, 89.3477, 22.3227 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, 255, 86) }
```


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

```
.border{ border-color:rgb(232, 255, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 255, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 86);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7184, 89.3477, 22.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 86) }
```

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

```
.background{ background-color: rgb(232,  
255, 86) }
```

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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