

Converting Colors

XYZ(70.6063, 89.2550, 23.8911)

Have a look what the booklet for
XYZ(70.6063, 89.2550, 23.8911)
contains.

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Color

**XYZ(70.6908, 89.2992,
23.8666)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FF5D
RGB	231, 255, 93
RGB Percent	91%, 100%, 36%
CMY	0.0941, 0.0000, 0.6353
CMYK	0.09, 0.00, 0.64, 0.00
HSL	69°, 100%, 68%
HSV	69°, 64%, 100%
XYZ	70.6908, 89.2992, 23.8666
YIQ	229.3560, 37.6980, -55.4700

Conversions

Conversions Part 2

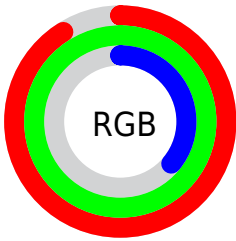
Format	Color
R_{YB}	93, 255, 117
Decimal	15204189
CIE _{Lab}	95.71, -28.47, 72.01
CIE _{LCh}	96, 77.432, 111.576
Yxy	89.2992, 0.3845, 0.4857
Android (android.graphics.Color)	4293394269 (0xFFE7FF5D)
YUV	229.3560, -67.2235, 1.4418
Hunter-Lab	94.4983, -31.8424, 51.1744

Details

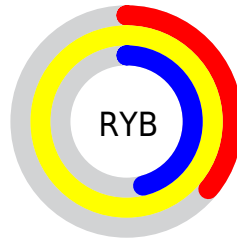
The XYZ color **70.6908, 89.2992, 23.8666** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **29.3017, 18.8319, 96.6983**, and the grayscale version is **75.1984, 79.1146, 86.1558**.

A 20% lighter version of the original color is **82.5050, 94.9820, 42.8390**, and **37.4291, 49.2475, 8.6954** is the 20% darker color. If you saturate the color by 10%, you get **68.5369, 88.2983, 18.8210**, and if you desaturate by 10%, it is **73.2477, 90.4644, 30.8982**.

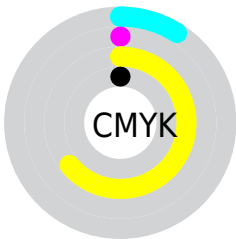
Distribution



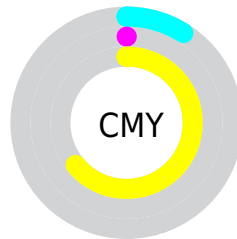
- Red (91%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (46%)



- Cyan (9%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6908, 89.2992, 23.8666 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 70.6908, 89.2992, 23.8666 by changing the saturation by 10% instead.


 70.6908, 89.2992,
23.8666


 70.6908, 89.2992,
23.8666


452.2005,
525.7485, 285.4102


 52.3715, 67.3996,
15.0234


 119.2143,
146.3646, 50.7535


 37.5268, 49.4094,
8.6890


 150.1492,
182.2991, 69.6343

 25.7911, 34.9444,
4.4449


 186.0200,
223.6807, 92.6981

 16.7993, 23.6200,
1.8724

 227.1921,
270.8937, 120.3634

 10.1859, 15.0520,
0.4751

274.0309,
324.3226, 153.0487

 5.5856, 8.8559,
0.0000

326.9016,

 2.6330, 4.6473,

384.3518, 191.1725

0.0000

386.1697,
451.3657, 235.1535

0.9628, 2.0418,
0.0000

0.0000, 0.6316,
0.0000

70.6908, 89.2992,
23.8666

70.6908, 89.2992,
23.8666

68.5369, 88.2983,
18.8210

73.2477, 90.4644,
30.8982

66.7463, 87.4458,
15.5518

76.2412, 91.8072,
40.0899

65.2715, 86.7225,
13.8092

79.7015, 93.3399,
51.6009

64.4408, 86.3055,
13.2622

83.6561, 95.0734,
65.5747

■ 88.1300, 97.0177,
82.1428

■ 93.1468, 99.1823,
101.4277

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.



91.0176, 89.2992, 21.2436



70.6908, 89.2992, 23.8666



56.6675, 89.2992, 41.0422

Triad

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



70.6908, 89.2992, 23.8666



61.8861, 89.2992, 221.0862



132.1692, 89.2992, 115.4439

Complementary

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



70.6908, 89.2992, 23.8666



29.3017, 18.8319, 96.6983

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.



121.1686, 89.2992, 189.8427



70.6908, 89.2992, 23.8666



79.0175, 89.2992, 265.4958

Square

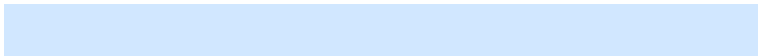
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.6908, 89.2992, 23.8666



52.2074, 89.2992, 147.0480



100.8427, 89.2992, 252.1444



128.9346, 89.2992, 60.1674

Rectangle

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



70.6908, 89.2992, 23.8666



51.6522, 89.2992, 64.6775



100.8427, 89.2992, 252.1444



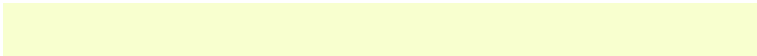
129.9554, 89.2992, 139.2050

Sweetspot

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



70.6909, 89.2993, 23.8678



85.6158, 95.9269, 72.7468



49.3017, 34.2219, 14.3641



18.0576, 20.4158, 14.5875



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.



70.6909, 89.2993, 23.8678



68.0620, 88.0744, 17.8560



50.7605, 79.0248, 22.9351



19.2812, 20.9464, 19.1712



33.7723, 45.1483, 6.9345



3.3571, 4.4314, 0.6784

Inverse Universe

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



29.3017, 18.8319, 96.6983



23.9374, 12.7482, 95.8067



44.6263, 26.7321, 97.4155



17.2534, 17.5068, 22.7198



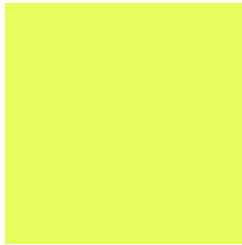
9.9196, 4.0242, 49.6885



1.0365, 0.4283, 4.8413

Previews

White Background



This preview shows how the XYZ color 70.6908, 89.2992, 23.8666 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 70.6908, 89.2992, 23.8666 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 70.6908, 89.2992, 23.8666

Background



This preview shows how black text looks on a background with the XYZ color 70.6908, 89.2992, 23.8666.

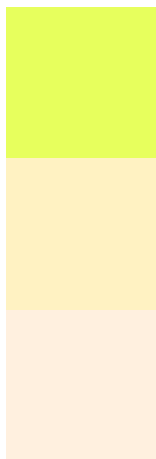


This preview shows how white text looks on a background with the XYZ color 70.6908, 89.2992,

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

70.6908, 89.2992, 23.8666

Protanopia

82.7297, 88.6593, 63.7916

Deuteranopia

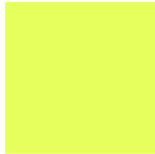
85.7194, 88.9079, 82.4551



Tritanopia

87.2743, 88.7272, 107.1339

Trichromacy



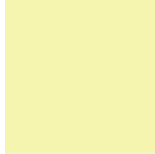
Original Color

70.6908, 89.2992, 23.8666



Protanomaly

77.3526, 88.5487, 44.9130



Deuteranomaly

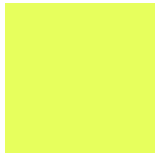
78.4949, 88.0322, 53.9291



Tritanomaly

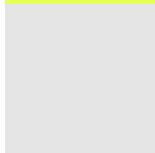
78.8918, 87.9911, 65.0505

Monochromacy



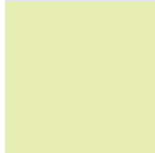
Original Color

70.6908, 89.2992, 23.8666



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 70.6908, 89.2992, 23.8666 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(231, 255, 93)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 93)  
}
```

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(231, 255, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 93) }
```

Border

The CSS property to change the border of an element to XYZ 70.6908, 89.2992, 23.8666 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(231, 255, 93) }
```


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

```
.border{ border-color:rgb(231, 255, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 93);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6908, 89.2992, 23.8666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 93) }
```

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

```
.background{ background-color: rgb(231,  
255, 93) }
```

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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