

Converting Colors

XYZ(76.4406, 88.8758, 22.2508)

Have a look what the booklet for
XYZ(76.4406, 88.8758, 22.2508)
contains.

XYZ(76.5689, 89.0994, 22.3948)	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(76.5689, 89.0994,
22.3948)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF858
RGB	255, 248, 88
RGB Percent	100%, 97%, 35%
CMY	0.0000, 0.0274, 0.6549
CMYK	0.00, 0.03, 0.65, 0.00
HSL	57°, 100%, 67%
HSV	57°, 65%, 100%
XYZ	76.5689, 89.0994, 22.3948
YIQ	231.8530, 55.5320, -48.2760

Conversions

Conversions Part 2

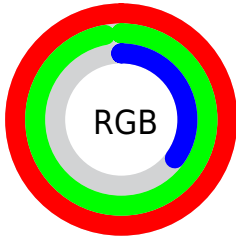
Format	Color
R_{YB}	95, 255, 88
Decimal	16775256
CIE _{Lab}	95.62, -15.89, 74.39
CIE _{LCh}	96, 76.073, 102.058
Yxy	89.0994, 0.4071, 0.4738
Android (android.graphics.Color)	4294965336 (0xFFFFF858)
YUV	231.8530, -70.9195, 20.2999
Hunter-Lab	94.3925, -20.3919, 52.0081

Details

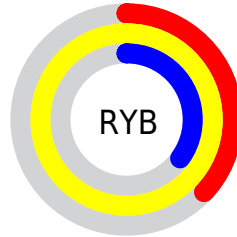
The XYZ color **76.5689, 89.0994, 22.3948** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **26.1669, 17.4789, 96.6019**, and the grayscale version is **77.0788, 81.0929, 88.3101**.

A 20% lighter version of the original color is **82.1108, 94.8243, 40.7633**, and **41.4729, 49.3484, 7.9554** is the 20% darker color. If you saturate the color by 10%, you get **75.3654, 88.0975, 17.6628**, and if you desaturate by 10%, it is **78.1477, 90.2610, 29.0756**.

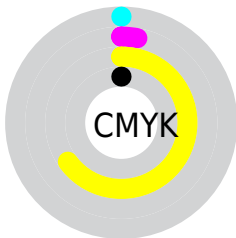
Distribution



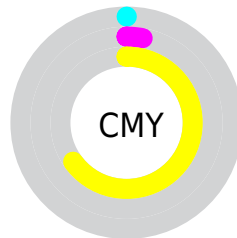
- Red (100%)
- Green (97%)
- Blue (35%)



- Red (37%)
- Yellow (100%)
- Blue (35%)



- Cyan (0%)
- Magenta (3%)
- Yellow (65%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.5689, 89.0994, 22.3948 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 76.5689, 89.0994, 22.3948 by changing the saturation by 10% instead.


 76.5689, 89.0994,
22.3948

 76.5689, 89.0994,
22.3948


472.2074,
525.0969, 277.6216


 57.1978, 67.2339,
13.9462


 127.5068,
146.0868, 48.3082


 41.4048, 49.2748,
7.9449


 159.8044,
181.9775, 66.6100

 28.8246, 34.8375,
3.9725


 197.1415,
223.3121, 89.0334

 19.0918, 23.5377,
1.6102

 239.8835,
270.4749, 115.9968

 11.8410, 14.9911,
0.2981

288.3957,
323.8504, 147.9188

 6.7069, 8.8131,
0.0000

343.0435,

 3.3242, 4.6195,

383.8230, 185.2179

0.0000

404.1923,
450.7770, 228.3126

■ 1.3274, 2.0258,
0.0000

■ 0.2036, 0.6224,
0.0000

■ 76.5689, 89.0994,
22.3948

■ 76.5689, 89.0994,
22.3948

■ 75.3654, 88.0975,
17.6628

■ 78.1477, 90.2610,
29.0756

■ 74.4904, 87.2267,
14.6611


■ 80.1302, 91.5839,
37.8822


■ 73.8962, 86.4712,
13.1280

■ 82.5492, 93.0842,
48.9778

■ 73.6874, 86.1551,
12.7458

■ 85.4324, 94.7733,
62.5083

 88.8051, 96.6612,
78.6076

 92.6909, 98.7574,
97.3996

95.0498, 99.9999,
108.9000

Harmonies

Analogous

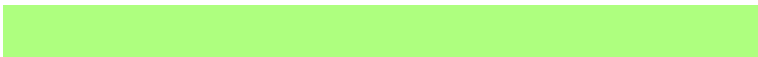
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.6735, 89.0994, 23.5648



76.5689, 89.0994, 22.3948



60.5266, 89.0994, 34.2136

Triad

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



76.5689, 89.0994, 22.3948



58.2256, 89.0994, 196.2876



128.9398, 89.0994, 136.9448

Complementary

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



76.5689, 89.0994, 22.3948



26.1669, 17.4789, 96.6019

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.



114.5462, 89.0994, 209.9516



76.5689, 89.0994, 22.3948



72.9046, 89.0994, 252.7823

Square

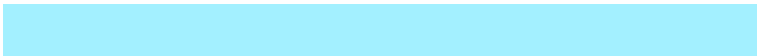
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5689, 89.0994, 22.3948



51.1637, 89.0994, 123.0859



93.3581, 89.0994, 258.6143



130.3574, 89.0994, 74.9113

Rectangle

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



76.5689, 89.0994, 22.3948



53.9253, 89.0994, 52.4752



93.3581, 89.0994, 258.6143



125.3611, 89.0994, 161.5226

Sweetspot

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



76.5710, 89.1036, 22.3966



87.2216, 95.7846, 71.0180



46.8577, 29.0913, 14.2977



18.4689, 20.3894, 14.2470



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.



76.5710, 89.1036, 22.3966



75.0231, 87.7776, 16.4235



56.3095, 81.9099, 22.0760



19.4922, 20.9526, 19.1612



38.5322, 45.0756, 6.6696



3.7712, 4.4277, 0.6559

Inverse Universe

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



26.1669, 17.4789, 96.6019



21.2691, 11.4355, 95.6940



36.6756, 22.0029, 96.9213



17.0640, 17.4996, 22.7283



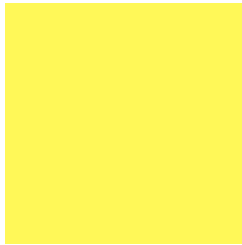
9.5184, 3.9465, 49.6946



0.9473, 0.4253, 4.8454

Previews

White Background



This preview shows how the XYZ color 76.5689, 89.0994, 22.3948 looks on a white background.

Color Contrast Check

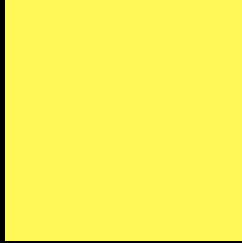
Large Text (above 18pt) WCAG AA × Fail

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 76.5689, 89.0994, 22.3948 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 76.5689, 89.0994, 22.3948

Background



This preview shows how black text looks on a background with the XYZ color 76.5689, 89.0994, 22.3948.

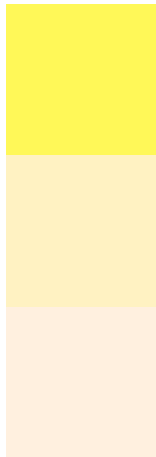


This preview shows how white text looks on a background with the XYZ color 76.5689, 89.0994,

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

76.5689, 89.0994, 22.3948

Protanopia

82.7297, 88.6593, 63.7916

Deuteranopia

85.7194, 88.9079, 82.4551



Tritanopia

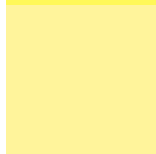
88.4491, 89.0629, 99.7179

Trichromacy



Original Color

76.5689, 89.0994, 22.3948



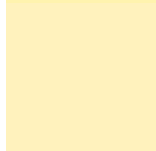
Protanomaly

79.5071, 88.3279, 43.8689



Deuteranomaly

80.9306, 88.4172, 52.8451



Tritanomaly

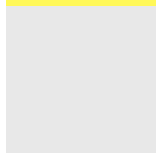
82.1774, 88.4384, 60.8832

Monochromacy



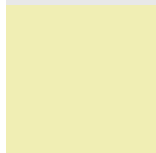
Original Color

76.5689, 89.0994, 22.3948



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.7479, 82.9696, 55.2551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.5689, 89.0994, 22.3948 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(255, 248, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 88)  
}
```

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(255, 248, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 88) }
```

Border

The CSS property to change the border of an element to XYZ 76.5689, 89.0994, 22.3948 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(255, 248, 88) }
```


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

```
.border{ border-color:rgb(255, 248, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 76.5689, 89.0994, 22.3948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 88) }
```

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

```
.background{ background-color: rgb(255,  
248, 88) }
```

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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