

Converting Colors

XYZ(76.5117, 88.5454, 23.7315)

Have a look what the booklet for
XYZ(76.5117, 88.5454, 23.7315)
contains.

XYZ(76.5211, 88.5897, 23.6561) 3

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Color

**XYZ(76.5211, 88.5897,
23.6561)**

Conversions

Conversions Part 1	
Format	Color
Hex	FFF75E
RGB	255, 247, 94
RGB Percent	100%, 97%, 37%
CMY	0.0000, 0.0313, 0.6314
CMYK	0.00, 0.03, 0.63, 0.00
HSL	57°, 100%, 68%
HSV	57°, 63%, 100%
XYZ	76.5211, 88.5897, 23.6561
YIQ	231.9500, 53.8810, -45.8870

Conversions

Conversions Part 2

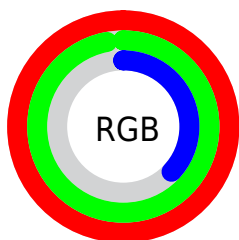
Format	Color
RYB	102, 255, 94
Decimal	16775006
CIELab	95.41, -15.07, 71.85
CIELCh	95, 73.414, 101.845
Yxy	88.5897, 0.4054, 0.4693
Android (android.graphics.Color)	4294965086 (0xFFFFF75E)
YUV	231.9500, -68.0093, 20.2149
Hunter-Lab	94.1221, -19.5935, 50.9839

Details

The XYZ color **76.5211, 88.5897, 23.6561** 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 **27.4175, 19.1020, 96.8490**, and the grayscale version is **77.1313, 81.1481, 88.3703**.

A 20% lighter version of the original color is **82.5050, 94.9820, 42.8390**, and **41.3838, 48.9626, 8.5659** is the 20% darker color. If you saturate the color by 10%, you get **75.1756, 87.4375, 18.4649**, and if you desaturate by 10%, it is **78.2512, 89.9066, 30.8415**.

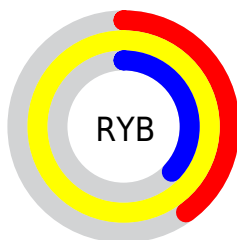
Distribution



Red (100%)

Green (97%)

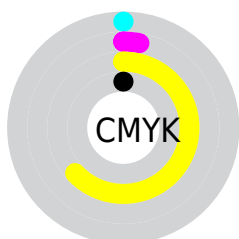
Blue (37%)



Red (40%)

Yellow (100%)

Blue (37%)

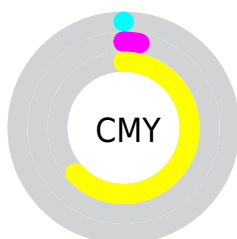


Cyan (0%)

Magenta (3%)

Yellow (63%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.5211, 88.5897, 23.6561 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 76.5211, 88.5897, 23.6561 by changing the saturation by 10% instead.


 76.5211, 88.5897,
23.6561

 76.5211, 88.5897,
23.6561


472.0467,
523.4325, 284.3075


 57.1585, 66.8115,
14.8689


 127.4397,
145.3779, 50.4052


 41.3731, 48.9315,
8.5818


 159.7263,
181.1567, 69.2041

 28.7997, 34.5651,
4.3764

 197.0517,
222.3711, 92.1774

 19.0729, 23.3281,
1.8340

 239.7811,
269.4057, 119.7436

 11.8273, 14.8360,
0.4502

288.2800,
322.6447, 152.3211

 6.6975, 8.7043,
0.0000


342.9136,


 3.3183, 4.5488,


382.4726, 190.3286


0.0000

404.0474,
449.2737, 234.1846

 1.3242, 1.9851,
0.0000


 0.2013, 0.5988,
0.0000


 76.5211, 88.5897,
23.6561

 76.5211, 88.5897,
23.6561


 75.1756, 87.4375,
18.4649


 78.2512, 89.9066,
30.8415


 74.1697, 86.4220,
15.0579


 80.3933, 91.3892,
40.1926


 73.4581, 85.5284,
13.1882

 82.9794, 93.0536,
51.8686

 73.0932, 84.9668,
12.5478

 86.0365, 94.9107,
66.0122

 89.5897, 96.9704,
82.7547

 93.6621, 99.2420,
102.2182

95.0497, 99.9998,
108.9000

Harmonies

Analogous

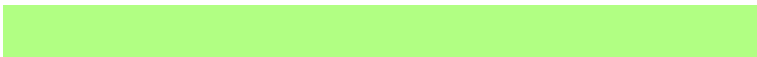
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.8171, 88.5897, 24.9123



76.5211, 88.5897, 23.6561



60.9772, 88.5897, 35.2999

Triad

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



76.5211, 88.5897, 23.6561



58.5852, 88.5897, 190.6531



126.4862, 88.5897, 135.1876

Complementary

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



76.5211, 88.5897, 23.6561



27.4175, 19.1020, 96.8490

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.



112.6815, 88.5897, 204.5351



76.5211, 88.5897, 23.6561



72.7330, 88.5897, 244.3396

Square

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



76.5211, 88.5897, 23.6561



51.7792, 88.5897, 120.9888



92.3801, 88.5897, 250.2417



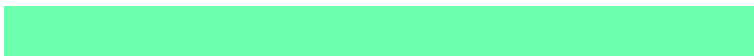
127.9348, 88.5897, 75.4915

Rectangle

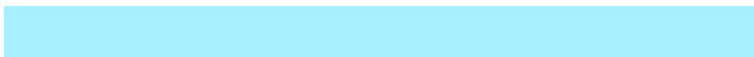
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.5211, 88.5897, 23.6561



54.5365, 88.5897, 53.1177



92.3801, 88.5897, 250.2417



123.0460, 88.5897, 158.6238

Sweetspot

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



76.5232, 88.5938, 23.6579



87.4450, 95.7380, 72.6139



47.6438, 30.2265, 15.9077



18.5064, 20.3687, 14.5548



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.



76.5232, 88.5938, 23.6579



74.8549, 87.1336, 17.3164



57.2023, 82.3401, 23.4691



19.4794, 20.9270, 19.1570



38.2268, 44.4647, 6.5678



3.7448, 4.3750, 0.6471

Inverse Universe

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



27.4175, 19.1020, 96.8490



22.2287, 12.7022, 95.8879



37.8739, 23.3822, 97.1241



17.0753, 17.5223, 22.7321



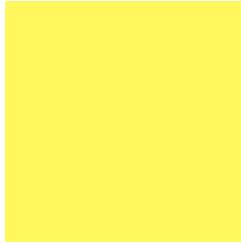
9.5346, 3.9787, 49.7000



0.9527, 0.4360, 4.8472

Previews

White Background



This preview shows how the XYZ color 76.5211, 88.5897, 23.6561 looks on a white background.

Color Contrast Check

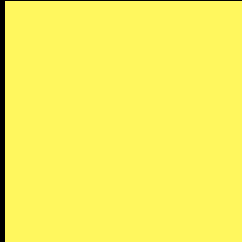
Large Text (above 18pt) WCAG AA × Fail

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 76.5211, 88.5897, 23.6561 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 76.5211, 88.5897, 23.6561

Background



This preview shows how black text looks on a background with the XYZ color 76.5211, 88.5897, 23.6561.

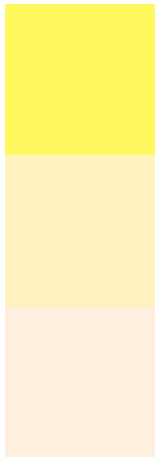


This preview shows how white text looks on a background with the XYZ color 76.5211, 88.5897,

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

76.5211, 88.5897, 23.6561

Protanopia

82.3961, 88.5258, 62.0347

Deuteranopia

85.1576, 88.2135, 80.9452



Tritanopia

88.0056, 88.4209, 98.8148

Trichromacy

	Original Color 76.5211, 88.5897, 23.6561
	Protanomaly 79.5914, 88.3617, 44.3131
	Deuteranomaly 80.7300, 87.8594, 53.2611
	Tritanomaly 81.9896, 87.8883, 61.3580

Monochromacy

	Original Color 76.5211, 88.5897, 23.6561
	Achromatopsia 76.7008, 80.6952, 87.8771
	Achromatomaly 74.6629, 82.4710, 56.2393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.5211, 88.5897, 23.6561 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, 247, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 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(255, 247, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 94) }
```

Border

The CSS property to change the border of an element to XYZ 76.5211, 88.5897, 23.6561 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, 247, 94) }
```


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

```
.border{ border-color:rgb(255, 247, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 76.5211, 88.5897, 23.6561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 94) }
```

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

```
.background{ background-color: rgb(255,  
247, 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](#).

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