

Converting Colors

XYZ(97.4652, 100.0000,
24.6159)

Have a look what the booklet for
XYZ(97.4652, 100.0000, 24.6159)
contains.

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Color

**XYZ(76.7832, 89.1851,
23.5235)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF85D
RGB	255, 248, 93
RGB Percent	100%, 97%, 36%
CMY	0.0000, 0.0274, 0.6353
CMYK	0.00, 0.03, 0.64, 0.00
HSL	57°, 100%, 68%
HSV	57°, 64%, 100%
XYZ	76.7832, 89.1851, 23.5235
YIQ	232.4230, 53.9270, -46.7210

Conversions

Conversions Part 2

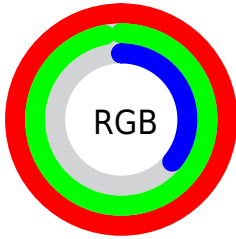
Format	Color
RYB	100, 255, 93
Decimal	16775261
CIELab	95.66, -15.61, 72.51
CIELCh	96, 74.167, 102.152
Yxy	89.1851, 0.4052, 0.4707
Android (android.graphics.Color)	4294965341 (0xFFFFF85D)
YUV	232.4230, -68.7355, 19.8000
Hunter-Lab	94.4379, -20.1359, 51.3380

Details

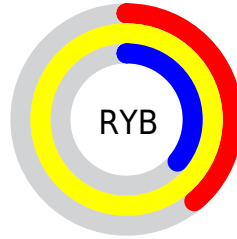
The XYZ color **76.7832, 89.1851, 23.5235** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **27.1216, 18.6613, 96.7798**, and the grayscale version is **77.4921, 81.5277, 88.7837**.

A 20% lighter version of the original color is **82.5050, 94.9820, 42.8390**, and **41.5771, 49.3901, 8.5043** is the 20% darker color. If you saturate the color by 10%, you get **75.5002, 88.1353, 18.4225**, and if you desaturate by 10%, it is **78.4488, 90.3978, 30.6111**.

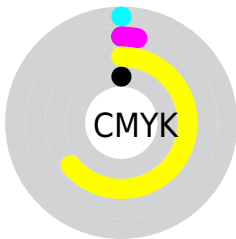
Distribution



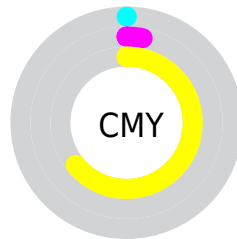
- Red (100%)
- Green (97%)
- Blue (36%)



- Red (39%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (3%)
- Yellow (64%)
- Black (0%)



- Cyan (0%)
- Magenta (3%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7832, 89.1851, 23.5235 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 76.7832, 89.1851, 23.5235 by changing the saturation by 10% instead.

76.7832, 89.1851,
23.5235

76.7832, 89.1851,
23.5235

472.9278,
525.3764, 283.6111

57.3743, 67.3050,
14.7716

127.8079,
146.2059, 50.1855

41.5471, 49.3325,
8.5144

160.1543,
182.1154, 68.9328

28.9364, 34.8833,
4.3334

197.5440,
223.4702, 91.8489

19.1767, 23.5730,
1.8100

240.3422,
270.6546, 119.3523

11.9028, 15.0172,
0.4345

288.9143,
324.0530, 151.8618

6.7493, 8.8314,
0.0000

343.6257,

3.3507, 4.6314,

384.0499, 189.7957

0.0000

404.8418,
451.0295, 233.5726

■ 1.3418, 2.0327,
0.0000

■ 0.2142, 0.6263,
0.0000

■ 76.7832, 89.1851,
23.5235

■ 76.7832, 89.1851,
23.5235

■ 75.5002, 88.1353,
18.4225

■ 78.4488, 90.3978,
30.6111

■ 74.5544, 87.2202,
15.0967

■ 80.5246, 91.7744,
39.8576

■ 73.9002, 86.4250,
13.2970

■ 83.0425, 93.3310,
51.4230

■ 73.5881, 85.9565,
12.7128

■ 86.0299, 95.0787,
65.4504

■ 89.5117, 97.0273,
82.0715

■ 93.5111, 99.1862,
101.4088

95.0498, 99.9999,
108.9000

Harmonies

Analogous

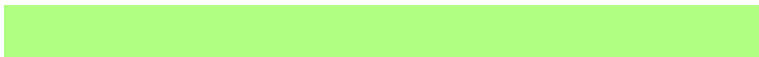
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.3553, 89.1851, 24.6633



76.7832, 89.1851, 23.5235



61.0944, 89.1851, 35.4033

Triad

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



76.7832, 89.1851, 23.5235



58.9072, 89.1851, 193.5787



127.8098, 89.1851, 135.7286

Complementary

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



76.7832, 89.1851, 23.5235



27.1216, 18.6613, 96.7798

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.



113.8808, 89.1851, 206.3422



76.7832, 89.1851, 23.5235



73.3149, 89.1851, 247.9053

Square

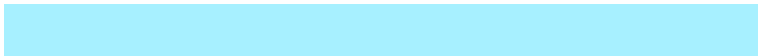
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7832, 89.1851, 23.5235



51.9387, 89.1851, 122.7004



93.2875, 89.1851, 253.3370



129.1398, 89.1851, 75.3463

Rectangle

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



76.7832, 89.1851, 23.5235



54.6244, 89.1851, 53.5486



93.2875, 89.1851, 253.3370



124.3537, 89.1851, 159.5367

Sweetspot

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



76.7853, 89.1893, 23.5253



87.5440, 95.9359, 72.6469



47.5087, 30.0311, 15.6314



18.5308, 20.4173, 14.5629



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.



76.7853, 89.1893, 23.5253



75.2368, 87.8972, 17.4436



57.0513, 82.2675, 23.2294



19.4901, 20.9483, 19.1605



38.4811, 44.9735, 6.6526



3.7668, 4.4189, 0.6544

Inverse Universe

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



27.1216, 18.6613, 96.7798



22.1499, 12.5446, 95.8617



37.6702, 23.1460, 97.0894



17.0659, 17.5034, 22.7290



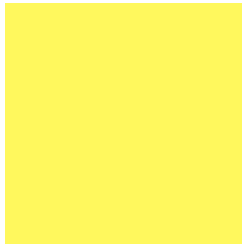
9.5211, 3.9518, 49.6955



0.9482, 0.4271, 4.8457

Previews

White Background



This preview shows how the XYZ color 76.7832, 89.1851, 23.5235 looks on a white background.

Color Contrast Check

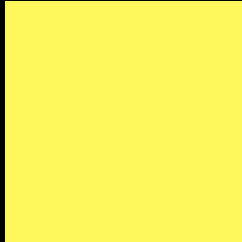
Large Text (above 18pt) WCAG AA × Fail

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 76.7832, 89.1851, 23.5235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

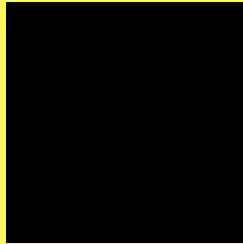
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.7832, 89.1851, 23.5235

Background



This preview shows how black text looks on a background with the XYZ color 76.7832, 89.1851, 23.5235.

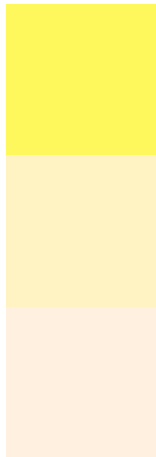


This preview shows how white text looks on a background with the XYZ color 76.7832, 89.1851,

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

76.7832, 89.1851, 23.5235

Protanopia

83.1409, 89.3013, 64.4846

Deuteranopia

85.7194, 88.9079, 82.4551



Tritanopia

88.4491, 89.0629, 99.7179

Trichromacy



Original Color

76.7832, 89.1851, 23.5235



Protanomaly

80.0640, 89.0334, 45.3131



Deuteranomaly

81.1271, 88.4958, 53.8798



Tritanomaly

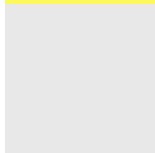
82.2864, 88.4820, 61.4570

Monochromacy



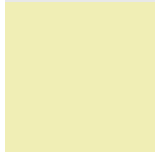
Original Color

76.7832, 89.1851, 23.5235



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.8502, 83.0105, 55.7937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7832, 89.1851, 23.5235 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 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(255, 248, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 93) }
```

Border

The CSS property to change the border of an element to XYZ 76.7832, 89.1851, 23.5235 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, 93) }
```


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

```
.border{ border-color:rgb(255, 248, 93) }
```

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, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7832, 89.1851, 23.5235 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, 93) }
```

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

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