

Converting Colors

XYZ(76.6084, 90.2563, 23.1788)

Have a look what the booklet for
XYZ(76.6084, 90.2563, 23.1788)
contains.

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Color

**XYZ(76.8935, 90.6323,
23.3386)**

Conversions

Conversions Part 1

Format	Color
Hex	FDFB5B
RGB	253, 251, 91
RGB Percent	99%, 98%, 36%
CMY	0.0078, 0.0157, 0.6431
CMYK	0.00, 0.01, 0.64, 0.01
HSL	59°, 98%, 67%
HSV	59°, 64%, 99%
XYZ	76.8935, 90.6323, 23.3386
YIQ	233.3580, 52.5520, -49.3360

Conversions

Conversions Part 2

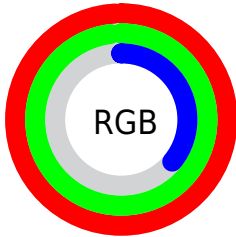
Format	Color
R _Y B	93, 253, 91
Decimal	16644955
CIE Lab	96.26, -17.98, 73.86
CIE LCh	96, 76.013, 103.681
Yxy	90.6323, 0.4029, 0.4749
Android (android.graphics.Color)	4294835035 (0xFFFD5B)
YUV	233.3580, -70.1825, 17.2260
Hunter-Lab	95.2010, -22.4279, 52.1057

Details

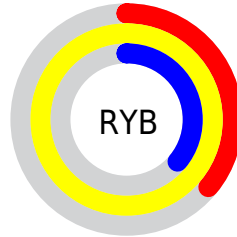
The XYZ color **76.8935, 90.6323, 23.3386** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **25.9586, 17.1445, 94.8690**, and the grayscale version is **78.2091, 82.2820, 89.6051**.

A 20% lighter version of the original color is **82.3453, 94.9181, 41.9979**, and **41.6829, 50.4379, 8.4583** is the 20% darker color. If you saturate the color by 10%, you get **75.8846, 90.0767, 18.4958**, and if you desaturate by 10%, it is **78.2745, 91.3438, 30.1218**.

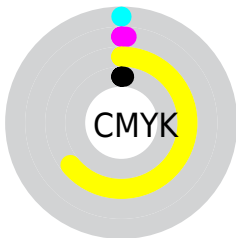
Distribution



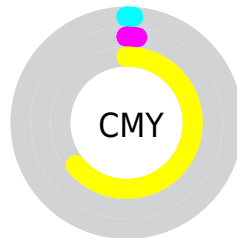
- Red (99%)
- Green (98%)
- Blue (36%)



- Red (36%)
- Yellow (99%)
- Blue (36%)



- Cyan (0%)
- Magenta (1%)
- Yellow (64%)
- Black (1%)





- Cyan (1%)
- Magenta (2%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.8935, 90.6323, 23.3386 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 76.8935, 90.6323, 23.3386 by changing the saturation by 10% instead.


 76.8935, 90.6323,
23.3386

 76.8935, 90.6323,
23.3386


473.2983,
530.0856, 282.6374


 57.4651, 68.5052,
14.6361


 127.9628,
148.2164, 49.8789


 41.6204, 50.3088,
8.4206


 160.3344,
184.4421, 68.5538

 28.9939, 35.6589,
4.2736


 197.7510,
226.1362, 91.3899

 19.2205, 24.1708,
1.7766

 240.5782,
273.6830, 118.8058

 11.9347, 15.4604,
0.4125

289.1811,
327.4670, 151.2199

 6.7711, 9.1431,
0.0000

343.9252,

 3.3644, 4.8347,

387.8725, 189.0509

0.0000

405.1758,
455.2839, 232.7172

■ 1.3493, 2.1506,
0.0000

■ 0.2196, 0.6928,
0.0000

■ 76.8935, 90.6323,
23.3386

■ 76.8935, 90.6323,
23.3386

■ 75.8846, 90.0767,
18.4958

■ 78.2745, 91.3438,
30.1218

■ 75.2029, 89.6488,
15.3842

■ 80.0547, 92.2118,
39.0153

■ 74.8031, 89.3340,
13.7565

■ 82.2657, 93.2524,
50.1768

■ 74.6584, 89.1837,
13.2793

■ 84.9344, 94.4763,
63.7475

88.0853, 95.8934,
79.8571

91.7415, 97.5128,
98.6261

93.7415, 98.4700,
108.6737

93.8400, 98.6669,
108.7065

93.9385, 98.8641,
108.7393

Harmonies

Analogous

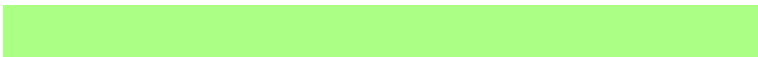
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



98.0613, 90.6323, 23.8723



76.8935, 90.6323, 23.3386



61.0368, 90.6323, 36.2196

Triad

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



76.8935, 90.6323, 23.3386



59.9927, 90.6323, 202.7331



131.2745, 90.6323, 135.0899

Complementary

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



76.8935, 90.6323, 23.3386



25.9586, 17.1445, 94.8690

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.



117.3338, 90.6323, 208.9102



76.8935, 90.6323, 23.3386



75.2323, 90.6323, 257.6084

Square

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



76.8935, 90.6323, 23.3386



52.4122, 90.6323, 128.8165



96.1066, 90.6323, 260.2433



131.9160, 90.6323, 73.6587

Rectangle

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



76.8935, 90.6323, 23.3386



54.6375, 90.6323, 55.5890



96.1066, 90.6323, 260.2433



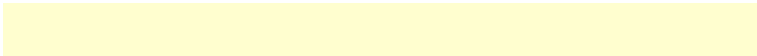
127.8969, 90.6323, 159.7292

Sweetspot

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



76.8956, 90.6365, 23.3405



88.0177, 96.8834, 72.8048



46.2565, 29.1684, 13.7125



18.6473, 20.6504, 14.6018



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.



76.8956, 90.6365, 23.3405



77.0147, 91.5608, 17.7041



54.6260, 80.0851, 22.4776



19.5410, 21.0501, 19.1775



39.7243, 47.4599, 7.0670



3.8737, 4.6329, 0.6901

Inverse Universe

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



25.9586, 17.1445, 94.8690



21.5052, 11.4836, 95.6908



37.8982, 23.0434, 95.3783



17.0210, 17.4135, 22.7140



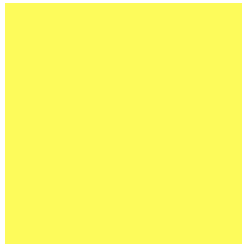
9.4570, 3.8237, 49.6742



0.9268, 0.3843, 4.8386

Previews

White Background



This preview shows how the XYZ color 76.8935, 90.6323, 23.3386 looks on a white background.

Color Contrast Check

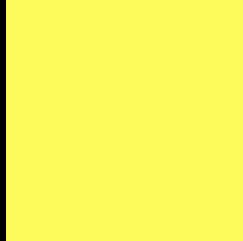
Large Text (above 18pt) WCAG AA × Fail

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 76.8935, 90.6323, 23.3386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

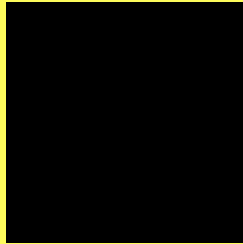
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.8935, 90.6323, 23.3386

Background



This preview shows how black text looks on a background with the XYZ color 76.8935, 90.6323, 23.3386.

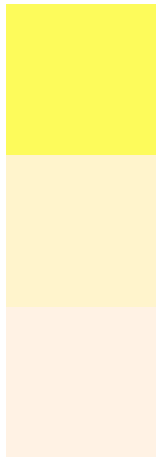


This preview shows how white text looks on a background with the XYZ color 76.8935, 90.6323,

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

76.8935, 90.6323, 23.3386

Protanopia

84.4898, 90.3210, 70.1073

Deuteranopia

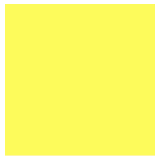
86.9957, 90.3657, 86.2559



Tritanopia

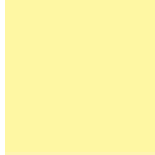
89.3434, 90.3575, 101.5388

Trichromacy



Original Color

76.8935, 90.6323, 23.3386



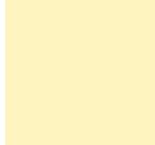
Protanomaly

80.7447, 90.2367, 47.8121



Deuteranomaly

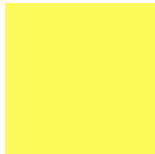
81.5613, 89.5900, 55.1133



Tritanomaly

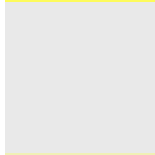
82.6277, 89.5338, 62.2170

Monochromacy



Original Color

76.8935, 90.6323, 23.3386



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.4358, 84.1816, 55.9889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8935, 90.6323, 23.3386 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(253, 251, 91)` looks like.

```
.text, #text, p{  
    color:rgb(253, 251, 91)  
}
```

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(253, 251, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 251, 91) }
```

Border

The CSS property to change the border of an element to XYZ 76.8935, 90.6323, 23.3386 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(253, 251, 91) }
```


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

```
.border{ border-color:rgb(253, 251, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 251, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 251, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 251, 91);  
box-shadow:4px 4px 4px 4px rgb(253, 251,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8935, 90.6323, 23.3386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 251, 91) }
```

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

```
.background{ background-color: rgb(253,  
251, 91) }
```

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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