

Converting Colors

XYZ(80.4966, 87.6183, 30.7843)

Have a look what the booklet for
XYZ(80.4966, 87.6183, 30.7843)
contains.

XYZ(76.1465, 85.5511, 30.5888)	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(76.1465, 85.5511,
30.5888)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF179
RGB	255, 241, 121
RGB Percent	100%, 95%, 47%
CMY	0.0000, 0.0549, 0.5255
CMYK	0.00, 0.05, 0.53, 0.00
HSL	54°, 100%, 74%
HSV	54°, 53%, 100%
XYZ	76.1465, 85.5511, 30.5888
YIQ	231.5060, 46.8640, -34.3520

Conversions

Conversions Part 2

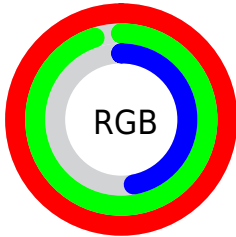
Format	Color
R_{YB}	137, 255, 121
Decimal	16773497
CIE _{Lab}	94.12, -10.28, 58.87
CIE _{LCh}	94, 59.764, 99.900
Yxy	85.5511, 0.3960, 0.4449
Android (android.graphics.Color)	4294963577 (0xFFFFFFFF179)
YUV	231.5060, -54.4795, 20.6042
Hunter-Lab	92.4938, -14.9123, 45.1378

Details

The XYZ color **76.1465, 85.5511, 30.5888** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.5990, 28.6120, 98.3065**, and the grayscale version is **76.7040, 80.6986, 87.8807**.

A 20% lighter version of the original color is **84.8365, 95.9146, 55.1163**, and **41.1270, 46.8389, 12.1834** is the 20% darker color. If you saturate the color by 10%, you get **74.0031, 83.4448, 23.1529**, and if you desaturate by 10%, it is **78.7188, 87.8537, 40.2084**.

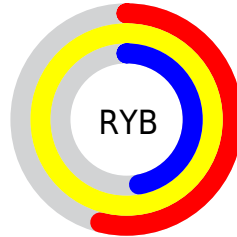
Distribution



Red (100%)

Green (95%)

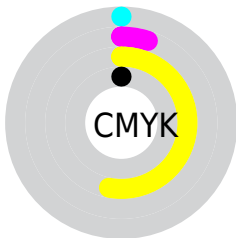
Blue (47%)



Red (54%)

Yellow (100%)

Blue (47%)

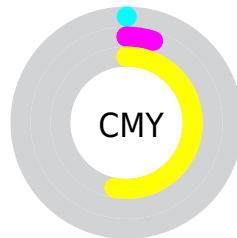


Cyan (0%)

Magenta (5%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.1465, 85.5511, 30.5888 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 76.1465, 85.5511, 30.5888 by changing the saturation by 10% instead.

 76.1465, 85.5511,
30.5888

 76.1465, 85.5511,
30.5888


470.7857,
513.4499, 318.9318


 56.8501, 64.2968,
20.0301


 126.9132,
141.1429, 61.6641

 41.1246, 46.8911,
12.2326


 159.1143,
176.2492, 83.0177

 28.6045, 32.9496,
6.7779

 196.3476,
216.7417, 108.8067

 18.9246, 22.0878,
3.2472

238.9786,
263.0047, 139.4497

 11.7195, 13.9215,
1.2222

287.3725,
315.4226, 175.3652

 6.6238, 8.0661,
0.0000

341.8948,

 3.2722, 4.1372,

374.3798, 216.9716

0.0000

402.9107,
440.2608, 264.6876

■ 1.2993, 1.7506,
0.0000

■ 0.1827, 0.4561,
0.0000

■ 76.1465, 85.5511,
30.5888

■ 76.1465, 85.5511,
30.5888

■ 74.0031, 83.4448,
23.1529

■ 78.7188, 87.8537,
40.2084

■ 72.2491, 81.5095,
17.7199

■ 81.7436, 90.3526,
52.1628

■ 70.8480, 79.7337,
14.0888

■ 85.2499, 93.0628,
66.5959

■ 69.7532, 78.0985,
12.0144

■ 89.2627, 95.9942,
83.6383

■ 69.0854, 76.9510,
11.2118

■ 93.8051, 99.1561,
103.4117

95.0498, 99.9999,
108.9000

Harmonies

Analogous

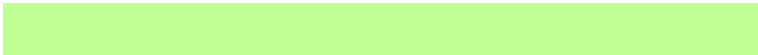
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.3326, 85.5511, 32.5562



76.1465, 85.5511, 30.5888



63.1601, 85.5511, 40.6514

Triad

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



76.1465, 85.5511, 30.5888



59.9532, 85.5511, 161.7355



113.7029, 85.5511, 126.7689

Complementary

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



76.1465, 85.5511, 30.5888



34.5990, 28.6120, 98.3065

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.



102.6499, 85.5511, 178.2427



76.1465, 85.5511, 30.5888



71.2084, 85.5511, 202.5835

Square

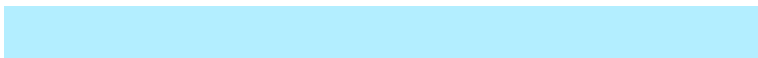
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1465, 85.5511, 30.5888



54.6541, 85.5511, 109.1075



86.7096, 85.5511, 209.4543



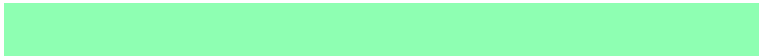
115.4795, 85.5511, 78.8307

Rectangle

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



76.1465, 85.5511, 30.5888



57.5303, 85.5511, 55.6329



86.7096, 85.5511, 209.4543



110.8865, 85.5511, 144.5969

Sweetspot

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



76.1485, 85.5551, 30.5906



87.8190, 94.9569, 77.4523



52.5669, 36.7312, 27.8496



18.6189, 20.1950, 15.8212



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

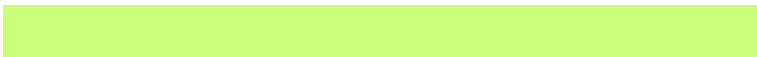
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.1485, 85.5551, 30.5906



73.9159, 83.3539, 22.8653



64.0130, 85.6860, 31.2554



19.3896, 20.7474, 19.1270



36.1643, 40.3399, 5.8803



3.5658, 4.0171, 0.5874

Inverse Universe

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



34.5990, 28.6120, 98.3065



28.4003, 21.0147, 97.1671



41.9820, 29.7079, 98.1289



17.1556, 17.6829, 22.7589



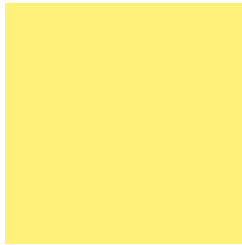
9.6812, 4.2719, 49.7489



0.9906, 0.5118, 4.8599

Previews

White Background



This preview shows how the XYZ color 76.1465, 85.5511, 30.5888 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 76.1465, 85.5511, 30.5888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

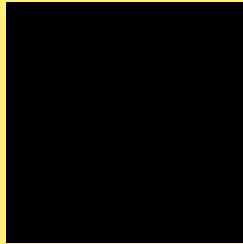
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.1465, 85.5511, 30.5888

Background



This preview shows how black text looks on a background with the XYZ color 76.1465, 85.5511, 30.5888.

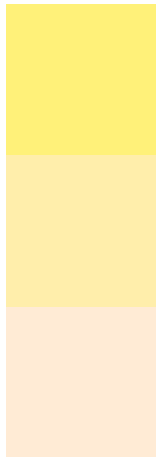


This preview shows how white text looks on a background with the XYZ color 76.1465, 85.5511,

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

76.1465, 85.5511, 30.5888

Protanopia

79.1652, 85.3493, 50.8297

Deuteranopia

82.9586, 85.4808, 75.0778



Tritanopia

86.1236, 85.3840, 95.9460

Trichromacy



Original Color

76.1465, 85.5511, 30.5888



Protanomaly

77.8563, 85.2929, 42.4967



Deuteranomaly

79.7624, 85.1237, 55.4066



Tritanomaly

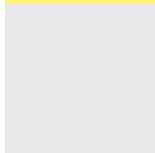
81.1414, 84.7539, 65.5086

Monochromacy



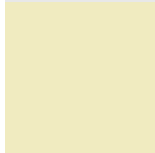
Original Color

76.1465, 85.5511, 30.5888



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

75.1579, 81.7477, 61.6868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1465, 85.5511, 30.5888 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, 241, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 121)  
}
```

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, 241, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 121) }
```

Border

The CSS property to change the border of an element to XYZ 76.1465, 85.5511, 30.5888 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, 241, 121) }
```


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

```
.border{ border-color:rgb(255, 241, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1465, 85.5511, 30.5888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 121) }
```

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

```
.background{ background-color: rgb(255,  
241, 121) }
```

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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