

Converting Colors

XYZ(104.4150, 100.0000,
34.5702)

Have a look what the booklet for
XYZ(104.4150, 100.0000, 34.5702)
contains.

XYZ(76.6577, 85.7556, 33.2811)	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(76.6577, 85.7556,
33.2811)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF181
RGB	255, 241, 129
RGB Percent	100%, 95%, 51%
CMY	0.0000, 0.0549, 0.4941
CMYK	0.00, 0.05, 0.49, 0.00
HSL	53°, 100%, 75%
HSV	53°, 49%, 100%
XYZ	76.6577, 85.7556, 33.2811
YIQ	232.4180, 44.2960, -31.8640

Conversions

Conversions Part 2

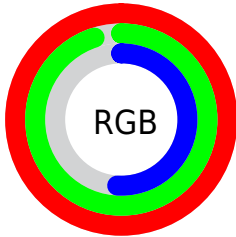
Format	Color
R _Y B	145, 255, 129
Decimal	16773505
CIE Lab	94.21, -9.62, 55.29
CIE LCh	94, 56.120, 99.866
Yxy	85.7556, 0.3917, 0.4382
Android (android.graphics.Color)	4294963585 (0xFFFFFFFF181)
YUV	232.4180, -50.9851, 19.8044
Hunter-Lab	92.6043, -14.2956, 43.5148

Details

The XYZ color **76.6577, 85.7556, 33.2811** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.9255, 31.5310, 98.7472**, and the grayscale version is **77.3641, 81.3930, 88.6370**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **41.4184, 46.9555, 13.7178** is the 20% darker color. If you saturate the color by 10%, you get **74.3388, 83.5003, 25.1639**, and if you desaturate by 10%, it is **79.4167, 88.2141, 43.6334**.

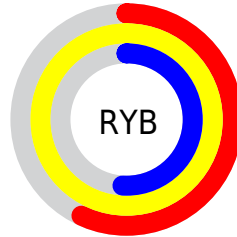
Distribution



Red (100%)

Green (95%)

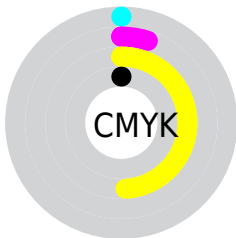
Blue (51%)



Red (57%)

Yellow (100%)

Blue (51%)

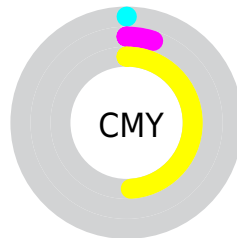


Cyan (0%)

Magenta (5%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6577, 85.7556, 33.2811 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 76.6577, 85.7556, 33.2811 by changing the saturation by 10% instead.

76.6577, 85.7556,
33.2811

76.6577, 85.7556,
33.2811

472.5060,
514.1250, 331.5853

57.2709, 64.4659,
22.0690

127.6316,
141.4284, 65.9352

41.4638, 47.0281,
13.7088

159.9494,
176.5803, 88.2143

28.8709, 33.0579,
7.7820

197.3083,
217.1216, 115.0194

19.1270, 22.1708,
3.8700

240.0736,
263.4369, 146.7692

11.8666, 13.9825,
1.5543

288.6106,
315.9105, 183.8821

6.7245, 8.1085,
0.2579

343.2848,

3.3352, 4.1644,

374.9268, 226.7768

0.0000

404.4615,
440.8701, 275.8716

■ 1.3334, 1.7660,
0.0000

■ 0.2080, 0.4658,
0.0000

■ 76.6577, 85.7556,
33.2811

■ 76.6577, 85.7556,
33.2811

■ 74.3388, 83.5003,
25.1639

■ 79.4167, 88.2141,
43.6334

■ 72.4217, 81.4232,
19.1076

■ 82.6385, 90.8756,
56.3669

■ 70.8717, 79.5138,
14.9209

■ 86.3513, 93.7545,
71.6217

■ 69.6453, 77.7542,
12.3745

■ 90.5796, 96.8607,
89.5255

■ 68.6753, 76.1178, 95.0498, 99.9999,
11.1158 108.9000

■ 68.6215, 76.0233,
11.0572

Harmonies

Analogous

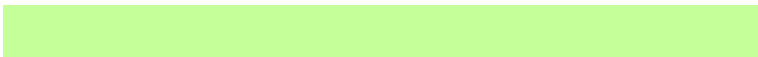
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8615, 85.7556, 35.2449



76.6577, 85.7556, 33.2811



64.3578, 85.7556, 43.1797

Triad

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



76.6577, 85.7556, 33.2811



61.2852, 85.7556, 157.0784



111.7505, 85.7556, 124.8441

Complementary

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



76.6577, 85.7556, 33.2811



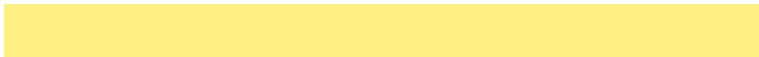
36.9255, 31.5310, 98.7472

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.



101.4629, 85.7556, 172.3572



76.6577, 85.7556, 33.2811



71.9634, 85.7556, 194.5815

Square

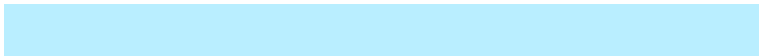
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6577, 85.7556, 33.2811



56.2315, 85.7556, 108.2791



86.5590, 85.7556, 200.9006



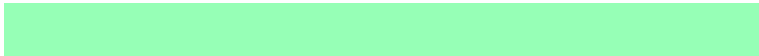
113.4099, 85.7556, 79.9023

Rectangle

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



76.6577, 85.7556, 33.2811



58.9900, 85.7556, 57.6936



86.5590, 85.7556, 200.9006



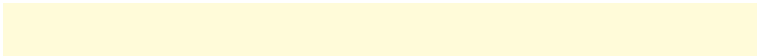
109.1317, 85.7556, 141.3693

Sweetspot

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



76.6598, 85.7596, 33.2829



88.1517, 95.0963, 79.1846



54.1018, 38.9658, 30.9363



18.6812, 20.2161, 16.1611



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

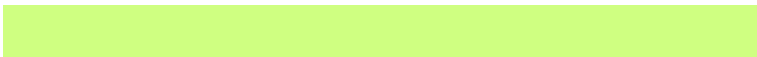
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6598, 85.7596, 33.2829



74.4262, 83.5897, 25.4554



65.3711, 86.3270, 33.9874



19.3788, 20.7258, 19.1234



35.9255, 39.8622, 5.8007



3.5450, 3.9754, 0.5805

Inverse Universe

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



36.9255, 31.5310, 98.7472



30.6918, 23.9337, 97.6098



44.1009, 32.3039, 98.5182



17.1654, 17.7024, 22.7621



9.7041, 4.3178, 49.7565



0.9952, 0.5210, 4.8614

Previews

White Background



This preview shows how the XYZ color 76.6577, 85.7556, 33.2811 looks on a white background.

Color Contrast Check

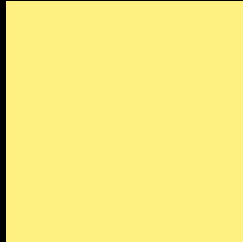
Large Text (above 18pt) WCAG AA × Fail

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 76.6577, 85.7556, 33.2811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

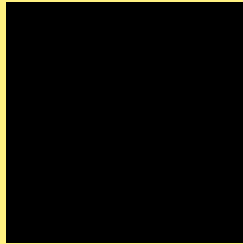
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.6577, 85.7556, 33.2811

Background



This preview shows how black text looks on a background with the XYZ color 76.6577, 85.7556, 33.2811.

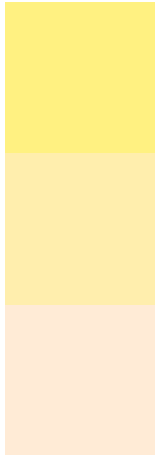


This preview shows how white text looks on a background with the XYZ color 76.6577, 85.7556,

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

76.6577, 85.7556, 33.2811

Protanopia

79.3574, 85.4262, 51.8415

Deuteranopia

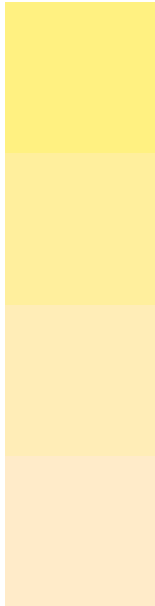
83.0859, 85.5317, 75.7485



Tritanopia

86.1236, 85.3840, 95.9460

Trichromacy



Original Color

76.6577, 85.7556, 33.2811

Protanomaly

78.1923, 85.4273, 44.2662

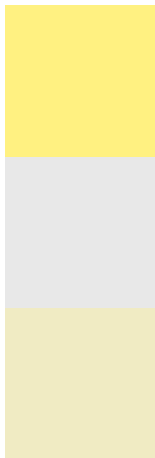
Deuteranomaly

80.0714, 85.2473, 57.0339

Tritanomaly

81.4909, 84.8937, 67.3494

Monochromacy



Original Color

76.6577, 85.7556, 33.2811

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

75.4938, 81.8821, 63.4556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6577, 85.7556, 33.2811 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 129) }
```

Border

The CSS property to change the border of an element to XYZ 76.6577, 85.7556, 33.2811 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, 129) }
```


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

```
.border{ border-color:rgb(255, 241, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6577, 85.7556, 33.2811 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, 129) }
```

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

```
.background{ background-color: rgb(255,  
241, 129) }
```

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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