

Converting Colors

XYZ(151.6791, 235.3606,
90.3914)

Have a look what the booklet for
XYZ(151.6791, 235.3606, 90.3914)
contains.

XYZ(80.7631, 93.5557, 66.6247)	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(80.7631, 93.5557,
66.6247)**

Conversions

Conversions Part 1

Format	Color
Hex	EDFFC5
RGB	237, 255, 197
RGB Percent	93%, 100%, 77%
CMY	0.0706, 0.0000, 0.2274
CMYK	0.07, 0.00, 0.23, 0.00
HSL	79°, 100%, 89%
HSV	79°, 23%, 100%
XYZ	80.7631, 93.5557, 66.6247
YIQ	243.0060, 7.8900, -21.8540

Conversions

Conversions Part 2

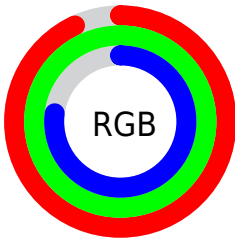
Format	Color
R _Y B	197, 255, 215
Decimal	15597509
CIE Lab	97.45, -15.44, 25.81
CIE LCh	97, 30.079, 120.882
Yxy	93.5557, 0.3352, 0.3883
Android (android.graphics.Color)	4293787589 (0xFFEDFFC5)
YUV	243.0060, -22.6810, -5.2673
Hunter-Lab	96.7242, -20.2228, 26.8673

Details

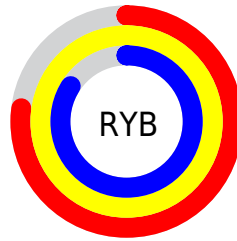
The XYZ color **80.7631, 93.5557, 66.6247** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.0415, 61.6008, 103.0171**, and the grayscale version is **85.3659, 89.8116, 97.8048**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **44.2081, 52.1951, 33.7312** is the 20% darker color. If you saturate the color by 10%, you get **75.4996, 91.1518, 52.3944**, and if you desaturate by 10%, it is **86.6386, 96.2180, 83.4663**.

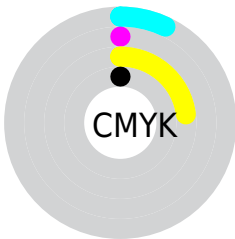
Distribution



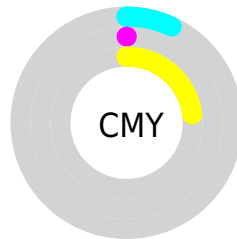
- Red (93%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (84%)



- Cyan (7%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.7631, 93.5557, 66.6247 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 80.7631, 93.5557, 66.6247 by changing the saturation by 10% instead.

 80.7631, 93.5557,
66.6247

 80.7631, 93.5557,
66.6247


486.1983,
539.5308, 467.0728

 60.6571, 70.9335,
48.3200

133.3830,
152.2677, 116.0180

 44.2000, 52.2879,
33.7186


166.6276,
189.1263, 147.9437

 31.0264, 37.2346,
22.4019

204.9825,
231.4992, 185.2469

 20.7708, 25.3892,
13.9514

248.8130,
279.7706, 228.3460

 13.0681, 16.3673,
7.9485

298.4845,
334.3251, 277.6596

 7.5528, 9.7844,
3.9747

354.3623,

 3.8595, 5.2562,

395.5471, 333.6062

1.6115

416.8118,
463.8208, 396.6044

■ 1.6230, 2.3984,
0.2990

■ 0.4073, 0.8251,
0.0000

■ 80.7631, 93.5557,
66.6247

■ 80.7631, 93.5557,
66.6247

■ 75.4996, 91.1518,
52.3944

■ 86.6386, 96.2180,
83.4663

■ 70.8201, 88.9948,
40.6401

■ 93.1491, 99.1479,
103.0367

■ 66.6967, 87.0733,
31.2211

■ 95.0500, 100.0000,
108.9000

■ 63.0980, 85.3747,
23.9803

■ 59.9891, 83.8847,
18.7419

■ 57.3298, 82.5871,
15.3024

■ 55.0715, 81.4624,
13.4153

■ 53.6335, 80.7341,
12.7565

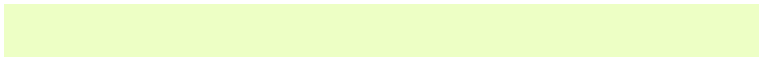
Harmonies

Analogous

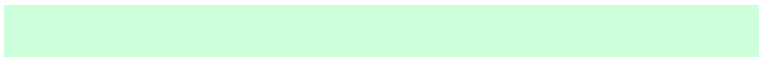
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6696, 93.5557, 61.7339



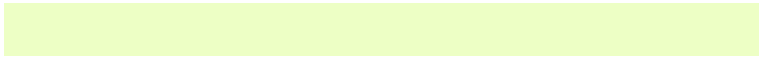
80.7631, 93.5557, 66.6247



75.3438, 93.5557, 80.6678

Triad

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



80.7631, 93.5557, 66.6247



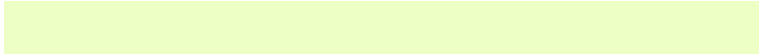
81.1741, 93.5557, 148.6812



106.3579, 93.5557, 101.1446

Complementary

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



80.7631, 93.5557, 66.6247



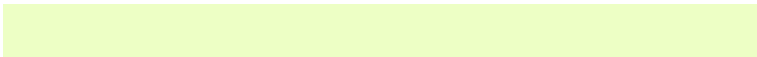
66.0415, 61.6008, 103.0171

Split Complementary

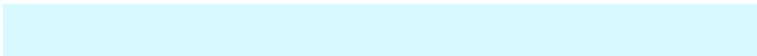
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.0405, 93.5557, 126.4867



80.7631, 93.5557, 66.6247



89.1747, 93.5557, 156.4471

Square

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



80.7631, 93.5557, 66.6247



75.5702, 93.5557, 127.9396



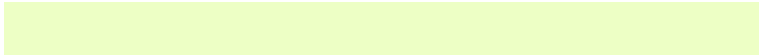
97.6124, 93.5557, 147.7524



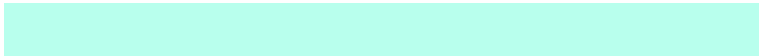
103.7603, 93.5557, 79.6002

Rectangle

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



80.7631, 93.5557, 66.6247



73.6850, 93.5557, 94.5995



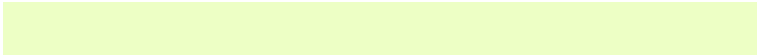
97.6124, 93.5557, 147.7524



106.1266, 93.5557, 109.4959

Sweetspot

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



80.7636, 93.5560, 66.6261



90.2992, 97.8676, 94.3668



75.4666, 73.5880, 63.0510



19.2433, 20.9097, 19.9440



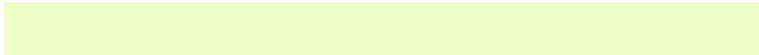
0.0000, 0.0000, 0.0000



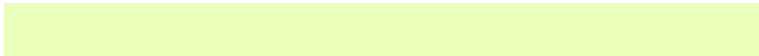
20.3446, 21.4041, 23.3091

Same Dimension

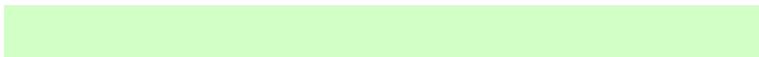
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7636, 93.5560, 66.6261



78.4502, 92.5019, 60.2579



72.0203, 89.0486, 66.2169



18.9806, 20.7914, 19.1571



28.1850, 42.2680, 6.6730



2.8566, 4.1734, 0.6550

Inverse Universe

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



66.0415, 61.6008, 103.0171



61.5174, 55.7410, 102.1245



75.1173, 66.2795, 103.4419



17.5333, 17.6511, 22.7329



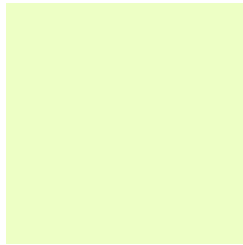
11.2561, 4.7132, 49.7511



1.2024, 0.5138, 4.8491

Previews

White Background



This preview shows how the XYZ color 80.7631, 93.5557, 66.6247 looks on a white background.

Color Contrast Check

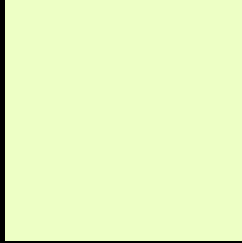
Large Text (above 18pt) WCAG AA × Fail

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 80.7631, 93.5557, 66.6247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

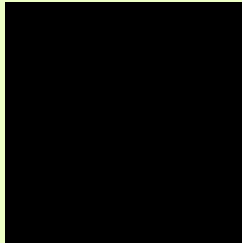
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

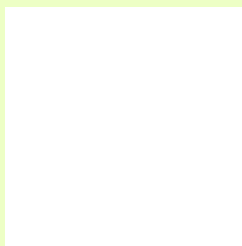
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.7631, 93.5557, 66.6247

Background



This preview shows how black text looks on a background with the XYZ color 80.7631, 93.5557, 66.6247.

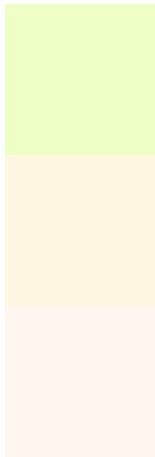


This preview shows how white text looks on a background with the XYZ color 80.7631, 93.5557,

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

80.7631, 93.5557, 66.6247

Protanopia

88.0914, 93.2178, 84.5841

Deuteranopia

89.9239, 93.4628, 95.7387

Tritanopia

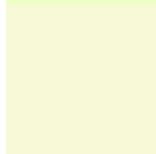
89.6685, 93.5157, 107.9320

Trichromacy



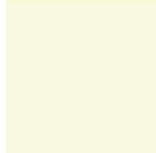
Original Color

80.7631, 93.5557, 66.6247



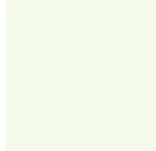
Protanomaly

85.1627, 93.2340, 77.7974



Deuteranomaly

86.0416, 93.0896, 83.9542



Tritanomaly

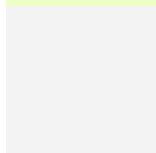
85.9990, 93.3664, 91.3308

Monochromacy



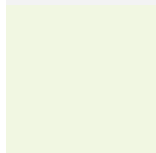
Original Color

80.7631, 93.5557, 66.6247



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.2639, 90.7133, 85.0724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7631, 93.5557, 66.6247 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(237, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 197)  
}
```

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(237, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 197) }
```

Border

The CSS property to change the border of an element to XYZ 80.7631, 93.5557, 66.6247 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(237, 255, 197) }
```


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

```
.border{ border-color:rgb(237, 255, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7631, 93.5557, 66.6247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 197) }
```

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

```
.background{ background-color: rgb(237,  
255, 197) }
```

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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