

Converting Colors

XYZ(76.7497, 91.5390, 64.0757)

Have a look what the booklet for
XYZ(76.7497, 91.5390, 64.0757)
contains.

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Color

**XYZ(76.7497, 91.5390,
64.0757)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FFC1
RGB	226, 255, 193
RGB Percent	89%, 100%, 76%
CMY	0.1137, 0.0000, 0.2431
CMYK	0.11, 0.00, 0.24, 0.00
HSL	88°, 100%, 88%
HSV	88°, 24%, 100%
XYZ	76.7497, 91.5390, 64.0757
YIQ	239.2610, 2.6180, -25.4300

Conversions

Conversions Part 2

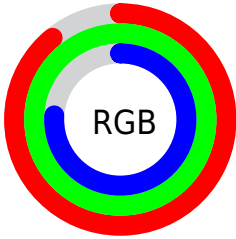
Format	Color
RYB	193, 255, 222
Decimal	14876609
CIELab	96.63, -19.88, 26.59
CIELCh	97, 33.200, 126.778
Yxy	91.5390, 0.3303, 0.3939
Android (android.graphics.Color)	4293066689 (0xFFE2FFC1)
YUV	239.2610, -22.8067, -11.6299
Hunter-Lab	95.6760, -24.2433, 27.2658

Details

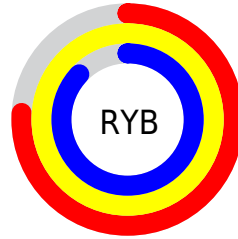
The XYZ color **76.7497, 91.5390, 64.0757** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.2450, 60.8907, 102.8166**, and the grayscale version is **82.4175, 86.7097, 94.4268**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **41.4318, 50.7983, 32.0475** is the 20% darker color. If you saturate the color by 10%, you get **70.5346, 88.6358, 50.1940**, and if you desaturate by 10%, it is **83.7166, 94.7730, 80.5555**.

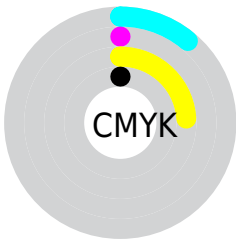
Distribution



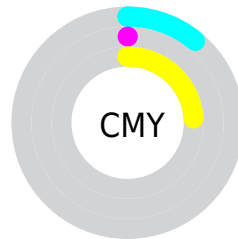
- Red (89%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (87%)



- Cyan (11%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7497, 91.5390, 64.0757 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 76.7497, 91.5390, 64.0757 by changing the saturation by 10% instead.

76.7497, 91.5390,
64.0757

76.7497, 91.5390,
64.0757

472.8152,
533.0245, 457.6779

57.3467, 69.2578,
46.2654

127.7608,
149.4743, 112.3205

41.5249, 50.9217,
32.1051

160.0996,
185.8972, 143.5920

28.9189, 36.1463,
21.1763

197.4811,
227.8027, 180.1878

19.1635, 24.5472,
13.0605

240.2705,
275.5754, 222.5262

11.8932, 15.7400,
7.3390

288.8333,
329.5995, 271.0259

6.7426, 9.3404,
3.5933

343.5347,

3.3466, 4.9639,

390.2594, 326.1054

1.4050

404.7403,
457.9397, 388.1832

■ 1.3396, 2.2261,
0.1456

■ 0.2125, 0.7342,
0.0000

■ 76.7497, 91.5390,
64.0757

■ 76.7497, 91.5390,
64.0757

■ 70.5346, 88.6358,
50.1940

■ 83.7166, 94.7730,
80.5555

■ 65.0393, 86.0500,
38.7734

■ 91.4622, 98.3492,
99.7524

■ 60.2315, 83.7680,
29.6709

95.0500, 100.0000,
108.9000

■ 56.0754, 81.7748,
22.7267

■ 52.5310, 80.0539,
17.7609

■ 49.5527, 78.5861,
14.5646

■ 47.0856, 77.3490,
12.8817

■ 45.8688, 76.7313,
12.3931

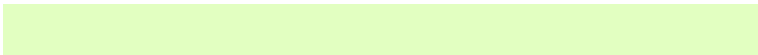
Harmonies

Analogous

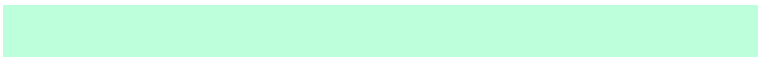
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9154, 91.5390, 57.0374



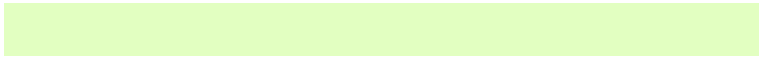
76.7497, 91.5390, 64.0757



71.6107, 91.5390, 80.8419

Triad

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



76.7497, 91.5390, 64.0757



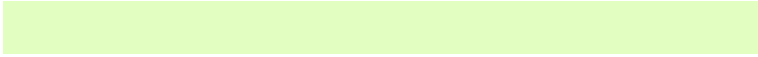
80.1550, 91.5390, 154.4171



105.9611, 91.5390, 93.7581

Complementary

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



76.7497, 91.5390, 64.0757



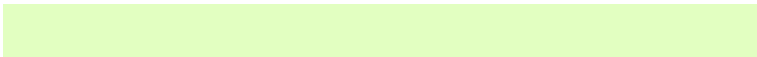
67.2450, 60.8907, 102.8166

Split Complementary

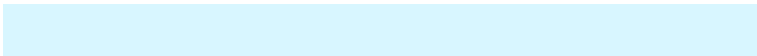
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.4613, 91.5390, 121.2165



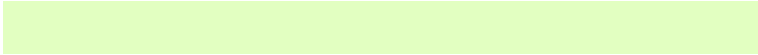
76.7497, 91.5390, 64.0757



89.1288, 91.5390, 159.5397

Square

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



76.7497, 91.5390, 64.0757



73.4768, 91.5390, 133.5169



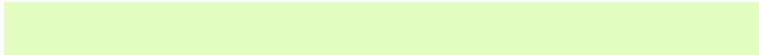
98.1356, 91.5390, 146.4791



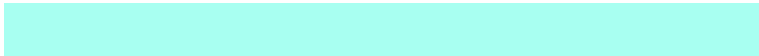
102.0996, 91.5390, 72.0897

Rectangle

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



76.7497, 91.5390, 64.0757



70.3726, 91.5390, 96.8246



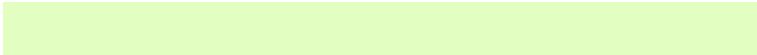
98.1356, 91.5390, 146.4791



106.0712, 91.5390, 102.5715

Sweetspot

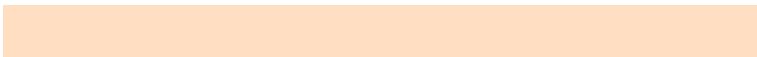
The Sweet Spot groups the original color and five complimentary colors.



76.7502, 91.5393, 64.0771



89.3027, 97.3539, 94.3201



76.9698, 77.3181, 61.3205



19.0123, 20.7906, 19.9332



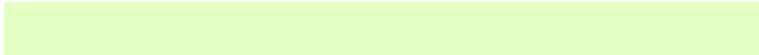
0.0000, 0.0000, 0.0000



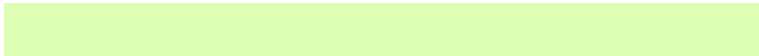
20.3446, 21.4041, 23.3091

Same Dimension

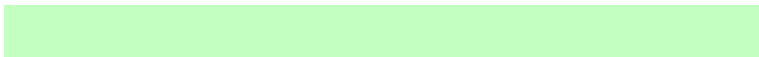
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7502, 91.5393, 64.0771



73.7452, 90.1380, 57.2546



67.9094, 86.9816, 63.6633



18.6948, 20.6441, 19.1437



24.1416, 40.1835, 6.4838



2.4768, 3.9776, 0.6372

Inverse Universe

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



67.2450, 60.8907, 102.8166



62.7966, 54.8322, 101.8817



77.6042, 66.2311, 103.3014



17.8108, 17.7942, 22.7458



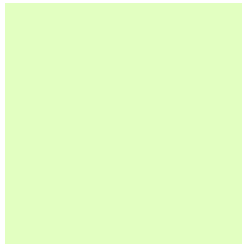
13.5952, 5.9191, 49.8605



1.4485, 0.6406, 4.8606

Previews

White Background



This preview shows how the XYZ color 76.7497, 91.5390, 64.0757 looks on a white background.

Color Contrast Check

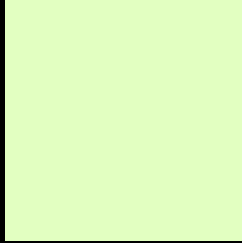
Large Text (above 18pt) WCAG AA × Fail

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 76.7497, 91.5390, 64.0757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

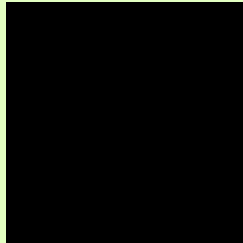
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

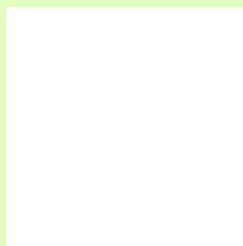
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.7497, 91.5390, 64.0757

Background



This preview shows how black text looks on a background with the XYZ color 76.7497, 91.5390, 64.0757.

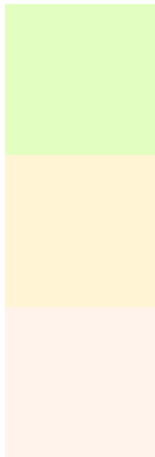


This preview shows how white text looks on a background with the XYZ color 76.7497, 91.5390,

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

76.7497, 91.5390, 64.0757

Protanopia

85.9026, 91.3689, 76.0592

Deuteranopia

88.2860, 91.3593, 91.5782



Tritanopia

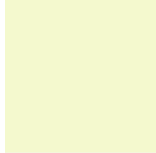
86.9780, 91.2256, 107.6318

Trichromacy



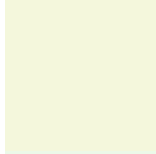
Original Color

76.7497, 91.5390, 64.0757



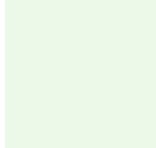
Protanomaly

82.3245, 91.4407, 71.7034



Deuteranomaly

83.4873, 90.9219, 80.8596



Tritanomaly

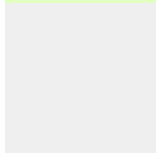
83.0332, 91.4104, 89.6116

Monochromacy



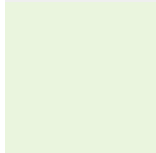
Original Color

76.7497, 91.5390, 64.0757



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.7689, 88.0712, 81.9024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7497, 91.5390, 64.0757 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(226, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 193)  
}
```

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(226, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 193) }
```

Border

The CSS property to change the border of an element to XYZ 76.7497, 91.5390, 64.0757 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(226, 255, 193) }
```


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

```
.border{ border-color:rgb(226, 255, 193) }
```

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

Here you see how a box with a 4 pixel rgb(226, 255, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7497, 91.5390, 64.0757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 193) }
```

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

```
.background{ background-color: rgb(226,  
255, 193) }
```

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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