

Converting Colors

XYZ(77.7669, 88.1547, 93.0376)

Have a look what the booklet for
XYZ(77.7669, 88.1547, 93.0376)
contains.

XYZ(77.7669, 88.1547, 93.0376)	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(77.7669, 88.1547,
93.0376)**

Conversions

Conversions Part 1

Format	Color
Hex	DAF8ED
RGB	218, 248, 237
RGB Percent	85%, 97%, 93%
CMY	0.1451, 0.0274, 0.0706
CMYK	0.12, 0.00, 0.04, 0.03
HSL	158°, 68%, 91%
HSV	158°, 12%, 97%
XYZ	77.7669, 88.1547, 93.0376
YIQ	237.7760, -14.3490, -9.7810

Conversions

Conversions Part 2

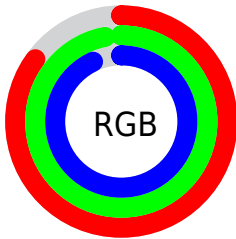
Format	Color
R _Y B	218, 236, 248
Decimal	14350573
CIE Lab	95.23, -11.77, 1.98
CIE LCh	95, 11.937, 170.435
Yxy	88.1547, 0.3003, 0.3404
Android (android.graphics.Color)	4292540653 (0xFFDAF8ED)
YUV	237.7760, -0.3826, -17.3436
Hunter-Lab	93.8907, -16.4625, 6.9723

Details

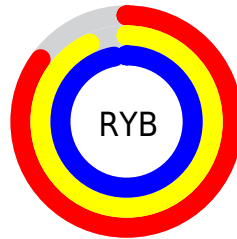
The XYZ color **77.7669, 88.1547, 93.0376** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.9288, 75.7586, 84.6483**, and the grayscale version is **81.1077, 85.3316, 92.9261**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2944, 48.8220, 50.9105** is the 20% darker color. If you saturate the color by 10%, you get **69.6033, 84.0983, 85.8948**, and if you desaturate by 10%, it is **87.1125, 92.8175, 100.5913**.

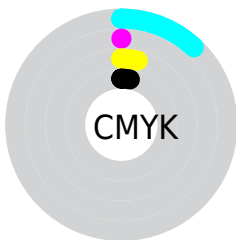
Distribution



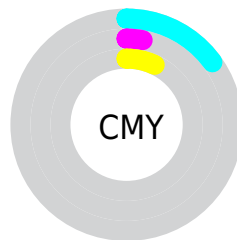
- Red (85%)
- Green (97%)
- Blue (93%)



- Red (85%)
- Yellow (93%)
- Blue (97%)



- Cyan (12%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)



- Cyan (15%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7669, 88.1547, 93.0376 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 77.7669, 88.1547, 93.0376 by changing the saturation by 10% instead.

77.7669, 88.1547,
93.0376

77.7669, 88.1547,
93.0376

476.2268,
522.0097, 558.6863

58.1846, 66.4512,
69.9149

129.1886,
144.7725, 153.5228

42.2009, 48.6388,
50.9808

161.7587,
180.4556, 191.7224

29.4505, 34.3330,
35.8167

199.3888,
221.5674, 235.7848

19.5678, 23.1495,
24.0041

242.4443,
268.4922, 286.1284

12.1877, 14.7040,
15.1244

291.2905,
321.6144, 343.1718

6.9448, 8.6119,
8.7592

346.2927,

3.4736, 4.4889,

381.3185, 407.3336

4.4898

407.8163,
447.9888, 479.0323

■ 1.4089, 1.9506,
1.8977

■ 0.2625, 0.5786,
0.4913

■ 77.7669, 88.1547,
93.0376

■ 77.7669, 88.1547,
93.0376

■ 69.6033, 84.0983,
85.8948

■ 87.1125, 92.8175,
100.5913

■ 62.5643, 80.6116,
79.1495

■ 92.8591, 95.6182,
108.1697

■ 56.5984, 77.6705,
72.7960

■ 51.6473, 75.2451,
66.8260

■ 47.6469, 73.3025,
61.2310

■ 44.5254, 71.8058,
56.0021

■ 42.2001, 70.7126,
51.1294

■ 40.5718, 69.9717,
46.6024

■ 39.6593, 69.5743,
43.2601

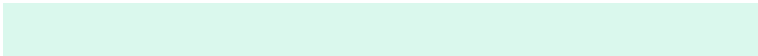
Harmonies

Analogous

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



79.0555, 88.1547, 85.0149



77.7669, 88.1547, 93.0376



78.0592, 88.1547, 102.3807

Triad

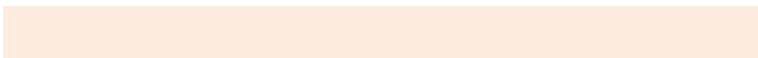
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7669, 88.1547, 93.0376



85.9926, 88.1547, 113.7811



87.8386, 88.1547, 82.8198

Complementary

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



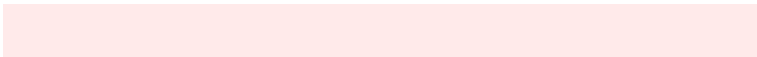
77.7669, 88.1547, 93.0376



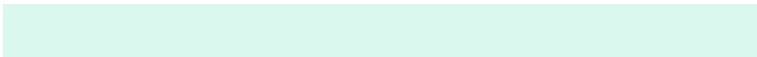
77.9288, 75.7586, 84.6483

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.



89.7913, 88.1547, 89.8623



77.7669, 88.1547, 93.0376



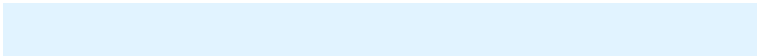
88.7065, 88.1547, 107.8615

Square

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



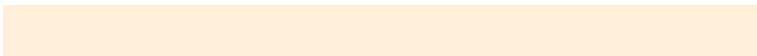
77.7669, 88.1547, 93.0376



82.7527, 88.1547, 114.7682



90.1130, 88.1547, 98.9950



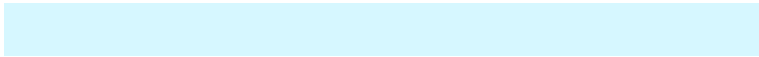
84.8327, 88.1547, 79.3727

Rectangle

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



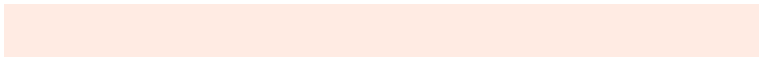
77.7669, 88.1547, 93.0376



79.1142, 88.1547, 108.0868



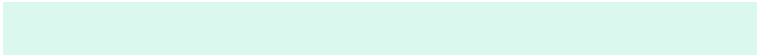
90.1130, 88.1547, 98.9950



88.6431, 88.1547, 84.8229

Sweetspot

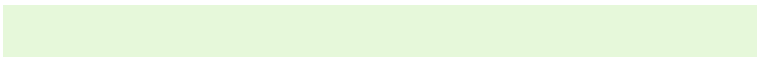
The Sweet Spot groups the original color and five complimentary colors.



77.7694, 88.1584, 93.0396



90.7999, 97.8779, 105.5878



78.6981, 88.9411, 79.3504



19.2688, 20.8670, 22.4685



0.0000, 0.0000, 0.0000



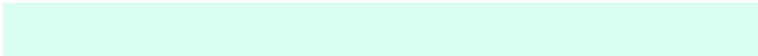
20.3446, 21.4041, 23.3091

Same Dimension

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



77.7694, 88.1584, 93.0396



80.1740, 92.5826, 96.8418



78.3610, 86.6891, 101.4140



17.4799, 19.4943, 20.7279



21.4927, 37.6101, 23.7359



2.0416, 3.5037, 2.4670

Inverse Universe

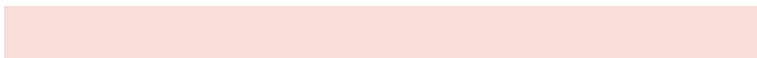
The Inverse Universe completely reimagines the original color for something new.



77.9288, 75.7586, 84.6483



80.3809, 76.5139, 85.9691



77.3577, 76.9980, 77.1158



17.5077, 17.3305, 19.2635



21.9925, 11.2127, 6.6687



2.0859, 1.0581, 0.8760

Previews

White Background



This preview shows how the XYZ color 77.7669, 88.1547, 93.0376 looks on a white background.

Color Contrast Check

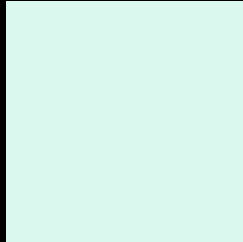
Large Text (above 18pt) WCAG AA × Fail

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 77.7669, 88.1547, 93.0376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

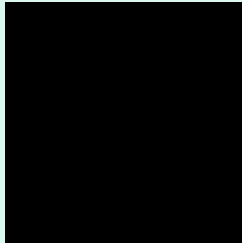
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

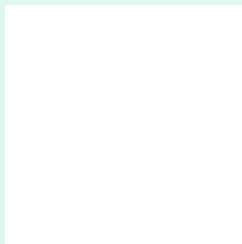
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7669, 88.1547, 93.0376

Background



This preview shows how black text looks on a background with the XYZ color 77.7669, 88.1547, 93.0376.



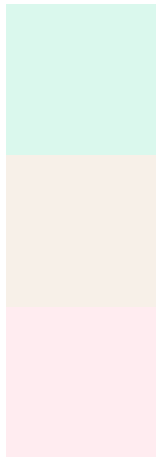
This preview shows how white text looks on a background with the XYZ color 77.7669, 88.1547,

93.0376.

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

77.7669, 88.1547, 93.0376

Protanopia

84.0833, 87.9205, 88.8826

Deuteranopia

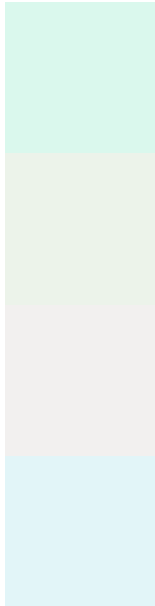
86.9636, 87.5422, 94.7519



Tritanopia

82.7337, 88.1442, 107.2607

Trichromacy



Original Color

77.7669, 88.1547, 93.0376

Protanomaly

81.4939, 87.8746, 90.5082

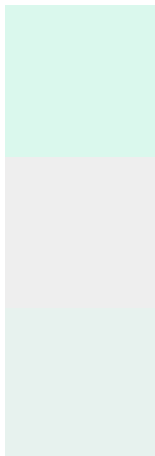
Deuteranomaly

83.3580, 87.4294, 94.1435

Tritanomaly

80.9597, 88.2509, 101.5740

Monochromacy



Original Color

77.7669, 88.1547, 93.0376

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.1397, 86.6662, 93.3934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7669, 88.1547, 93.0376 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(218, 248, 237)` looks like.

```
.text, #text, p{  
    color:rgb(218, 248, 237)  
}
```

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(218, 248, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 248, 237) }
```

Border

The CSS property to change the border of an element to XYZ 77.7669, 88.1547, 93.0376 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(218, 248, 237) }
```


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

```
.border{ border-color:rgb(218, 248, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 248, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 248, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 248, 237);  
box-shadow:4px 4px 4px 4px rgb(218, 248,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7669, 88.1547, 93.0376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 248, 237) }
```

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

```
.background{ background-color: rgb(218,  
248, 237) }
```

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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