

Converting Colors

XYZ(77.7635, 88.0846, 96.1225)

Have a look what the booklet for
XYZ(77.7635, 88.0846, 96.1225)
contains.

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Color

**XYZ(77.7635, 88.0846,
96.1225)**

Conversions

Conversions Part 1

Format	Color
Hex	D8F8F1
RGB	216, 248, 241
RGB Percent	85%, 97%, 95%
CMY	0.1529, 0.0274, 0.0549
CMYK	0.13, 0.00, 0.03, 0.03
HSL	167°, 70%, 91%
HSV	167°, 13%, 97%
XYZ	77.7635, 88.0846, 96.1225
YIQ	237.6340, -16.8250, -8.9610

Conversions

Conversions Part 2

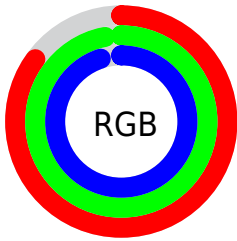
Format	Color
R _Y B	216, 234, 248
Decimal	14219505
CIE Lab	95.20, -11.65, -0.14
CIE LCh	95, 11.652, 180.699
Yxy	88.0846, 0.2968, 0.3362
Android (android.graphics.Color)	4292409585 (0xFFD8F8F1)
YUV	237.6340, 1.6594, -18.9730
Hunter-Lab	93.8534, -16.3449, 4.9739

Details

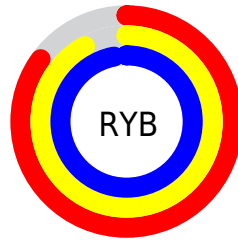
The XYZ color **77.7635, 88.0846, 96.1225** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.5897, 74.3983, 80.1397**, and the grayscale version is **80.9841, 85.2015, 92.7845**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3045, 48.7791, 53.0846** is the 20% darker color. If you saturate the color by 10%, you get **70.1842, 84.2720, 91.6000**, and if you desaturate by 10%, it is **86.4778, 92.4843, 100.8279**.

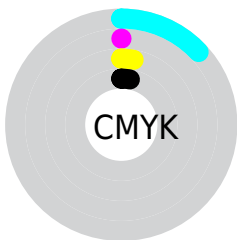
Distribution



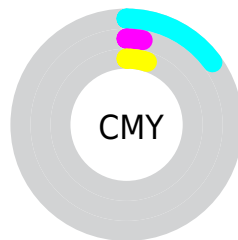
- Red (85%)
- Green (97%)
- Blue (95%)



- Red (85%)
- Yellow (92%)
- Blue (97%)



- Cyan (13%)
- Magenta (0%)
- Yellow (3%)
- Black (3%)



- Cyan (15%)
- Magenta (3%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7635, 88.0846, 96.1225 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 77.7635, 88.0846, 96.1225 by changing the saturation by 10% instead.

77.7635, 88.0846,
96.1225

77.7635, 88.0846,
96.1225

476.2154,
521.7802, 568.8282

58.1818, 66.3931,
72.4675

129.1838,
144.6749, 157.8234

42.1987, 48.5916,
53.0515

161.7532,
180.3426, 196.7064

29.4487, 34.2956,
37.4559

199.3824,
221.4378, 241.5024

19.5665, 23.1208,
25.2621

242.4370,
268.3449, 292.6302

12.1867, 14.6827,
16.0517

291.2823,
321.4483, 350.5081

6.9441, 8.5970,
9.4060

346.2835,

3.4732, 4.4793,

381.1324, 415.5547

4.9065

407.8061,
447.7816, 488.1885

■ 1.4086, 1.9451,
2.1347

■ 0.2624, 0.5753,
0.6363

■ 77.7635, 88.0846,
96.1225

■ 77.7635, 88.0846,
96.1225

■ 70.1842, 84.2720,
91.6000

■ 86.4778, 92.4843,
100.8279

■ 63.6827, 81.0099,
87.2512

■ 92.3570, 95.4172,
105.5259

■ 58.2083, 78.2745,
83.0744

■ 92.8590, 95.6181,
108.1697

■ 53.7030, 76.0360,
79.0657

■ 50.1030, 74.2615,
75.2211

■ 47.3365, 72.9140,
71.5361

■ 45.3210, 71.9510,
68.0055

■ 43.9560, 71.3208,
64.6237

■ 43.2765, 71.0211,
62.3086

Harmonies

Analogous

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



78.5091, 88.0846, 87.6030



77.7635, 88.0846, 96.1225



78.5805, 88.0846, 105.1165

Triad

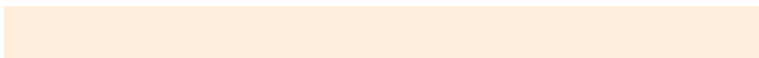
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7635, 88.0846, 96.1225



86.8778, 88.0846, 111.7451



86.7457, 88.0846, 81.4535

Complementary

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



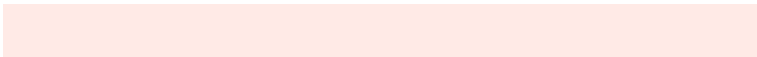
77.7635, 88.0846, 96.1225



76.5897, 74.3983, 80.1397

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.



89.0826, 88.0846, 87.2558



77.7635, 88.0846, 96.1225



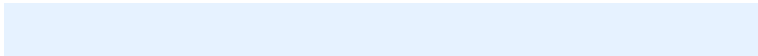
89.1602, 88.0846, 104.7244

Square

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



77.7635, 88.0846, 96.1225



83.7962, 88.0846, 114.4790



89.9769, 88.0846, 95.6961



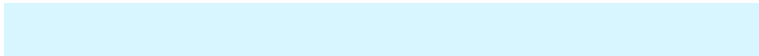
83.6474, 88.0846, 79.4646

Rectangle

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



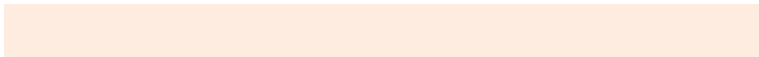
77.7635, 88.0846, 96.1225



79.9135, 88.0846, 110.0873



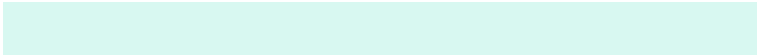
89.9769, 88.0846, 95.6961



87.6491, 88.0846, 83.0038

Sweetspot

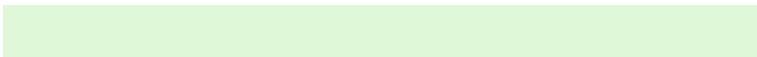
The Sweet Spot groups the original color and five complimentary colors.



77.7660, 88.0883, 96.1245



91.0391, 97.9736, 106.8472



76.5403, 87.8587, 77.8915



19.3295, 20.8913, 22.7878



0.0000, 0.0000, 0.0000



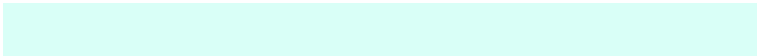
20.3446, 21.4041, 23.3091

Same Dimension

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



77.7660, 88.0883, 96.1245



81.0324, 92.9260, 101.3617



76.2683, 83.3861, 100.8866



17.5937, 19.5397, 21.3267



23.4314, 38.3856, 33.9448



2.2090, 3.5707, 3.3483

Inverse Universe

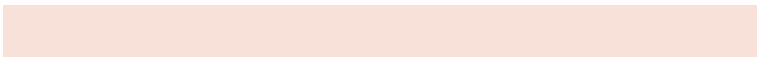
The Inverse Universe completely reimagines the original color for something new.



76.5897, 74.3983, 80.1397



79.5955, 76.1998, 81.8334



77.9083, 78.5155, 76.0160



17.4001, 17.2874, 18.6966



21.3173, 10.9427, 3.1135



2.0120, 1.0285, 0.4867

Previews

White Background



This preview shows how the XYZ color 77.7635, 88.0846, 96.1225 looks on a white background.

Color Contrast Check

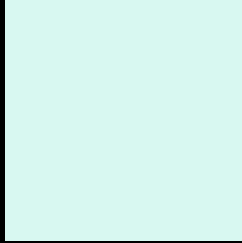
Large Text (above 18pt) WCAG AA × Fail

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 77.7635, 88.0846, 96.1225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

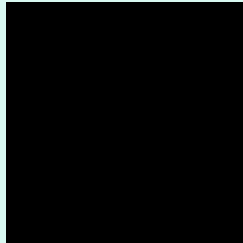
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

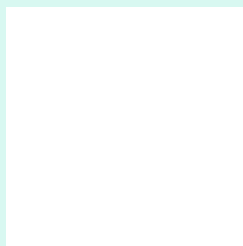
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7635, 88.0846, 96.1225

Background



This preview shows how black text looks on a background with the XYZ color 77.7635, 88.0846, 96.1225.



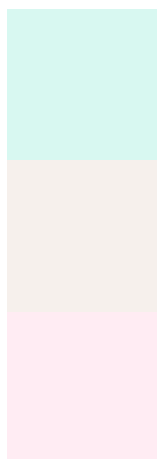
This preview shows how white text looks on a background with the XYZ color 77.7635, 88.0846,

96.1225.

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

77.7635, 88.0846, 96.1225

Protanopia

84.3064, 87.9691, 91.8932

Deuteranopia

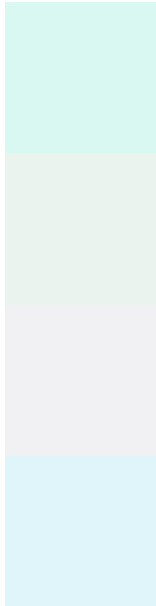
87.4131, 87.7220, 97.1189



Tritanopia

82.4137, 87.9792, 107.2458

Trichromacy



Original Color

77.7635, 88.0846, 96.1225

Protanomaly

81.7442, 87.9364, 93.5540

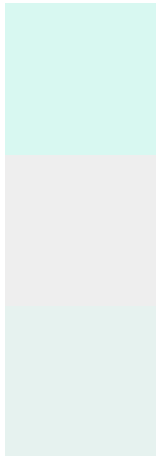
Deuteranomaly

83.4627, 87.4318, 96.4815

Tritanomaly

80.6482, 88.0542, 103.1880

Monochromacy



Original Color

77.7635, 88.0846, 96.1225

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

79.9652, 86.5593, 94.1543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7635, 88.0846, 96.1225 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(216, 248, 241)` looks like.

```
.text, #text, p{  
    color:rgb(216, 248, 241)  
}
```

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(216, 248, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 248, 241) }
```

Border

The CSS property to change the border of an element to XYZ 77.7635, 88.0846, 96.1225 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(216, 248, 241) }
```


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

```
.border{ border-color:rgb(216, 248, 241) }
```

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

Here you see how a box with a 4 pixel rgb(216, 248, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 248, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 248, 241);  
box-shadow:4px 4px 4px 4px rgb(216, 248,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7635, 88.0846, 96.1225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 248, 241) }
```

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

```
.background{ background-color: rgb(216,  
248, 241) }
```

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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