

Converting Colors

XYZ(76.1173, 81.9065,
103.8091)

Have a look what the booklet for
XYZ(76.1173, 81.9065, 103.8091)
contains.

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Color

**XYZ(75.8850, 81.6181,
103.8498)**

Conversions

Conversions Part 1

Format	Color
Hex	D8ECFC
RGB	216, 236, 252
RGB Percent	85%, 93%, 99%
CMY	0.1529, 0.0745, 0.0118
CMYK	0.14, 0.06, 0.00, 0.01
HSL	207°, 86%, 92%
HSV	207°, 14%, 99%
XYZ	75.8850, 81.6181, 103.8498
YIQ	231.8440, -17.0560, 0.7360

Conversions

Conversions Part 2

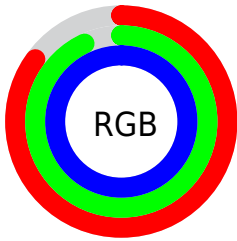
Format	Color
R _Y B	216, 229, 252
Decimal	14216444
CIE Lab	92.41, -3.42, -9.96
CIE LCh	92, 10.533, 251.057
Yxy	81.6181, 0.2904, 0.3123
Android (android.graphics.Color)	4292406524 (0xFFD8ECFC)
YUV	231.8440, 9.9369, -13.8952
Hunter-Lab	90.3427, -8.1655, -4.9145

Details

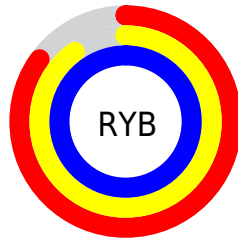
The XYZ color **75.8850, 81.6181, 103.8498** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.3966, 83.3662, 76.7684**, and the grayscale version is **76.5242, 80.5095, 87.6748**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8695, 44.1597, 57.9994** is the 20% darker color. If you saturate the color by 10%, you get **65.8802, 71.8254, 102.4882**, and if you desaturate by 10%, it is **87.2385, 92.4105, 105.3358**.

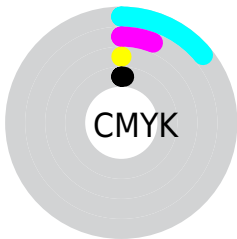
Distribution



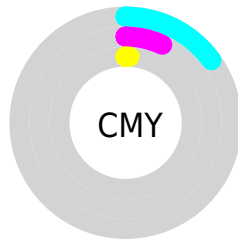
- Red (85%)
- Green (93%)
- Blue (99%)



- Red (85%)
- Yellow (90%)
- Blue (99%)



- Cyan (14%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



- Cyan (15%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8850, 81.6181, 103.8498 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 75.8850, 81.6181, 103.8498 by changing the saturation by 10% instead.

■ 75.8850, 81.6181,
103.8498

■ 75.8850, 81.6181,
103.8498

469.9044,
500.3694, 593.8180

■ 56.6349, 61.0508,
78.8848

126.5456,
135.6383, 168.5356

■ 40.9512, 44.2662,
58.2803

158.6868,
169.8600, 209.0934

■ 28.4685, 30.8798,
41.6179

195.8557,
209.4020, 255.6859

■ 18.8213, 20.5073,
28.4789

238.4178,
254.6486, 308.7317

■ 11.6445, 12.7644,
18.4448

286.7384,
305.9842, 368.6493

■ 6.5726, 7.2665,
11.0970

341.1827,

■ 3.2402, 3.6293,

363.7933, 435.8571

6.0172

402.1163,
428.4602, 510.7739

■ 1.2820, 1.4684,
2.7866

■ 0.1697, 0.2664,
0.9867

■ 75.8850, 81.6181,
103.8498

■ 75.8850, 81.6181,
103.8498

■ 65.8802, 71.8254,
102.4882

■ 87.2385, 92.4105,
105.3358

■ 57.1613, 62.9881,
101.2420

94.5709, 99.8084,
106.3773

■ 49.6713, 55.0733,
100.1091

■ 43.3452, 48.0419,
99.0853

■ 38.1121, 41.8512,
98.1662

■ 33.8920, 36.4538,
97.3468

■ 30.5928, 31.7960,
96.6216

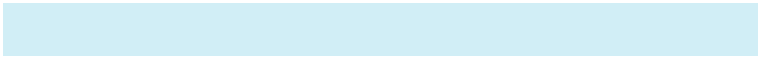
■ 28.1025, 27.8134,
95.9841

■ 26.9525, 25.7915,
95.6545

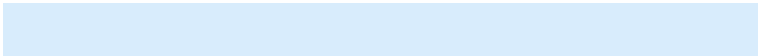
Harmonies

Analogous

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



73.6866, 81.6181, 99.1062



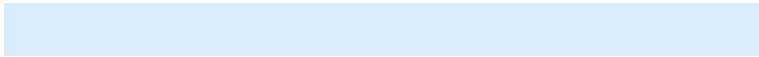
75.8850, 81.6181, 103.8498



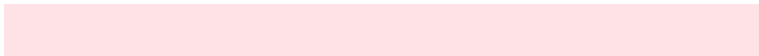
78.5861, 81.6181, 104.4442

Triad

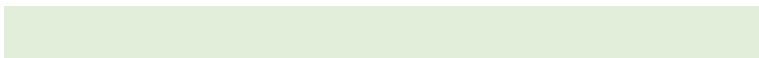
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8850, 81.6181, 103.8498



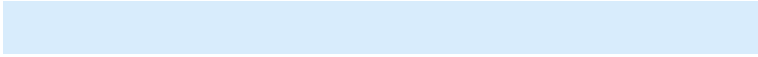
82.8390, 81.6181, 86.0177



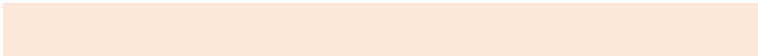
74.1806, 81.6181, 78.0137

Complementary

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



75.8850, 81.6181, 103.8498



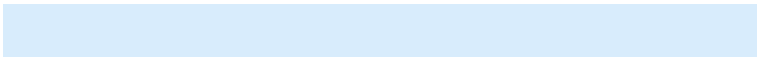
81.3966, 83.3662, 76.7684

Split Complementary

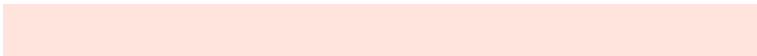
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5738, 81.6181, 74.9233



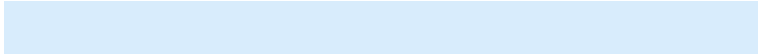
75.8850, 81.6181, 103.8498



81.5990, 81.6181, 79.3608

Square

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



75.8850, 81.6181, 103.8498



82.6440, 81.6181, 93.8352



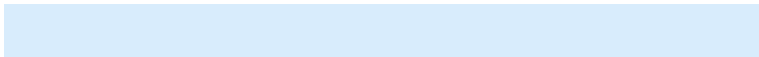
79.2910, 81.6181, 75.4016



72.7186, 81.6181, 84.0797

Rectangle

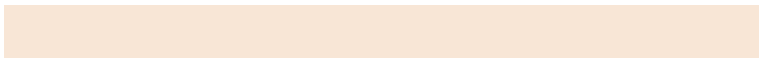
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8850, 81.6181, 103.8498



80.3136, 81.6181, 102.3702



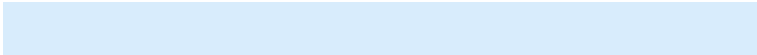
79.2910, 81.6181, 75.4016



74.9005, 81.6181, 76.6090

Sweetspot

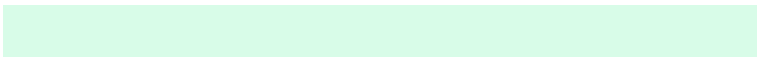
The Sweet Spot groups the original color and five complimentary colors.



75.8874, 81.6215, 103.8516



89.9675, 95.2587, 108.2527



77.6394, 90.0247, 89.3323



19.0577, 20.2025, 23.1450



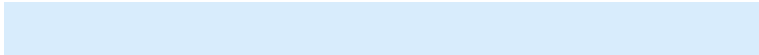
0.0000, 0.0000, 0.0000



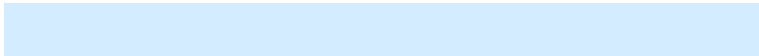
20.3446, 21.4041, 23.3091

Same Dimension

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



75.8874, 81.6215, 103.8516



75.0204, 81.0048, 106.2892



71.0663, 71.9793, 102.2446



17.0829, 18.2426, 22.0061



14.1891, 13.7338, 49.8766



1.4199, 1.4835, 4.6547

Inverse Universe

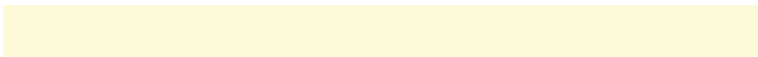
The Inverse Universe completely reimagines the original color for something new.



79.8430, 75.8650, 89.7960



79.7982, 74.2130, 89.2756



86.6024, 93.7776, 78.5037



17.6484, 17.3867, 20.0041



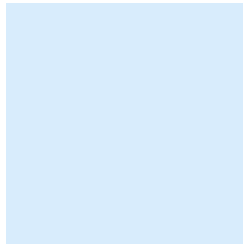
23.4540, 11.7973, 14.3653



2.2256, 1.1140, 1.6115

Previews

White Background



This preview shows how the XYZ color 75.8850, 81.6181, 103.8498 looks on a white background.

Color Contrast Check

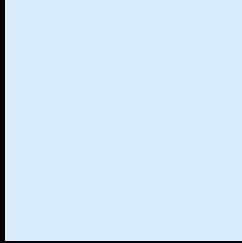
Large Text (above 18pt) WCAG AA × Fail

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 75.8850, 81.6181, 103.8498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

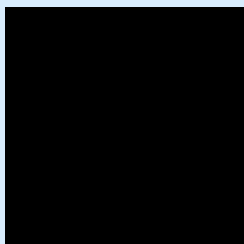
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

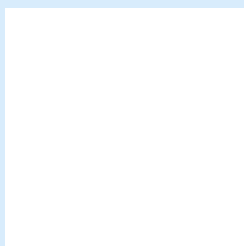
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.8850, 81.6181, 103.8498

Background



This preview shows how black text looks on a background with the XYZ color 75.8850, 81.6181, 103.8498.

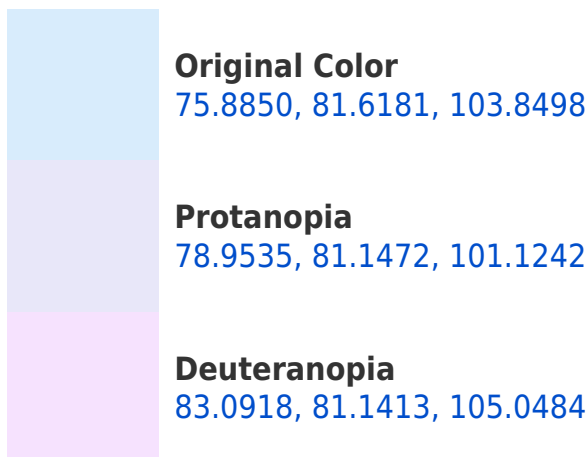


This preview shows how white text looks on a background with the XYZ color 75.8850, 81.6181,

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

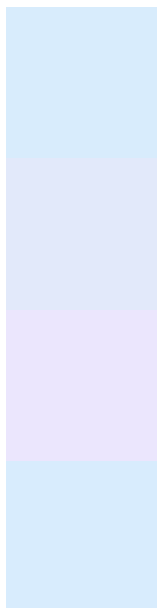




Tritanopia

76.2037, 81.7456, 105.5280

Trichromacy



Original Color

75.8850, 81.6181, 103.8498

Protanomaly

77.7583, 81.3487, 102.0461

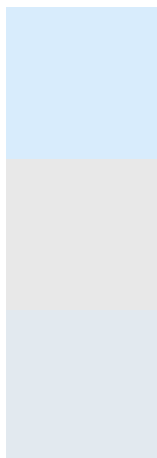
Deuteranomaly

80.2874, 81.3476, 104.3986

Tritanomaly

76.0440, 81.6817, 104.6867

Monochromacy



Original Color

75.8850, 81.6181, 103.8498

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.0829, 80.6786, 93.2239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8850, 81.6181, 103.8498 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, 236, 252)` looks like.

```
.text, #text, p{  
    color:rgb(216, 236, 252)  
}
```

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, 236, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 236, 252) }
```

Border

The CSS property to change the border of an element to XYZ 75.8850, 81.6181, 103.8498 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, 236, 252) }
```


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

```
.border{ border-color:rgb(216, 236, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 236, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 236, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 236, 252);  
box-shadow:4px 4px 4px 4px rgb(216, 236,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8850, 81.6181, 103.8498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 236, 252) }
```

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

```
.background{ background-color: rgb(216,  
236, 252) }
```

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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