

Converting Colors

XYZ(75.6103, 82.9670, 98.4599)

Have a look what the booklet for
XYZ(75.6103, 82.9670, 98.4599)
contains.

XYZ(75.6668, 82.9245, 98.4042)	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(75.6668, 82.9245,
98.4042)**

Conversions

Conversions Part 1

Format	Color
Hex	D8EFF5
RGB	216, 239, 245
RGB Percent	85%, 94%, 96%
CMY	0.1529, 0.0627, 0.0392
CMYK	0.12, 0.02, 0.00, 0.04
HSL	192°, 59%, 90%
HSV	192°, 12%, 96%
XYZ	75.6668, 82.9245, 98.4042
YIQ	232.8070, -15.6340, -3.0100

Conversions

Conversions Part 2

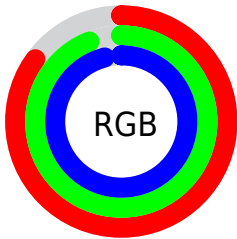
Format	Color
R _Y B	216, 229, 245
Decimal	14217205
CIE Lab	92.98, -6.34, -5.47
CIE LCh	93, 8.375, 220.756
Yxy	82.9245, 0.2944, 0.3227
Android (android.graphics.Color)	4292407285 (0xFFD8EFF5)
YUV	232.8070, 6.0111, -14.7397
Hunter-Lab	91.0629, -11.0392, -0.3258

Details

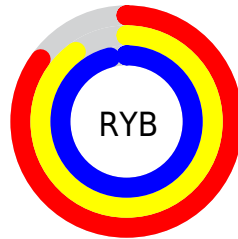
The XYZ color **75.6668, 82.9245, 98.4042** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.1726, 76.6125, 75.7401**, and the grayscale version is **77.2736, 81.2978, 88.5333**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8167, 45.1182, 54.7015** is the 20% darker color. If you saturate the color by 10%, you get **67.4995, 76.5452, 97.6046**, and if you desaturate by 10%, it is **84.9597, 89.9502, 99.2718**.

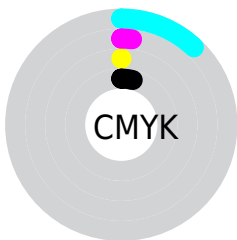
Distribution



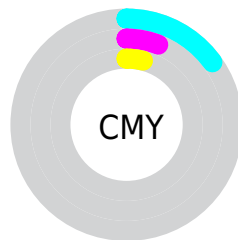
- Red (85%)
- Green (94%)
- Blue (96%)



- Red (85%)
- Yellow (90%)
- Blue (96%)



- Cyan (12%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)



- Cyan (15%)
- Magenta (6%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6668, 82.9245, 98.4042 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 75.6668, 82.9245, 98.4042 by changing the saturation by 10% instead.

75.6668, 82.9245,
98.4042

75.6668, 82.9245,
98.4042

469.1683,
504.7349, 576.2671

56.4554, 62.1279,
74.3590

126.2387,
137.4697, 160.9952

40.8066, 45.1360,
54.5894

158.3299,
171.9871, 200.3780

28.3550, 31.5646,
38.6767

195.4451,
211.8468, 245.7106

18.7353, 21.0291,
26.2024

237.9496,
257.4333, 297.4113

11.5820, 13.1453,
16.7480

286.2088,
309.1310, 355.8988

6.5299, 7.5287,
9.8949

340.5881,

3.2136, 3.7949,

367.3242, 421.5916

5.2247

401.4528,
432.3974, 494.9082

■ 1.2677, 1.5595,
2.3186

■ 0.1588, 0.3301,
0.7416

■ 75.6668, 82.9245,
98.4042

■ 75.6668, 82.9245,
98.4042

■ 67.4995, 76.5452,
97.6046

■ 84.9597, 89.9502,
99.2718

■ 60.4026, 70.7768,
96.8653

■ 91.6398, 95.6890,
100.0274

■ 54.3271, 65.5955,
96.1854

■ 93.2281, 98.8655,
100.5568

■ 49.2171, 60.9723,
95.5624

■ 93.4817, 99.3727,
100.6414

■ 45.0111, 56.8748,
94.9931

■ 41.6406, 53.2671,
94.4744

■ 39.0264, 50.1080,
94.0024

■ 37.0734, 47.3478,
93.5726

■ 35.8495, 45.3282,
93.2473

Harmonies

Analogous

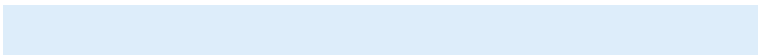
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.7477, 82.9245, 92.5626



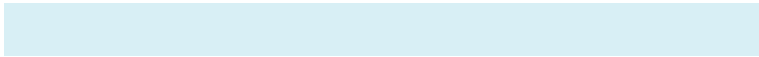
75.6668, 82.9245, 98.4042



77.4359, 82.9245, 102.1759

Triad

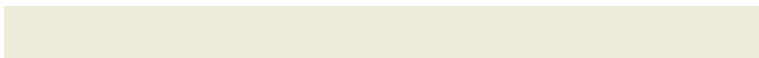
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6668, 82.9245, 98.4042



82.8647, 82.9245, 94.3288



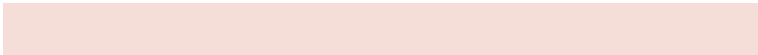
78.0331, 82.9245, 78.9412

Complementary

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



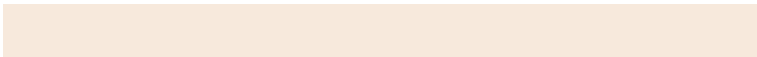
75.6668, 82.9245, 98.4042



76.1726, 76.6125, 75.7401

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.



80.2149, 82.9245, 79.3649



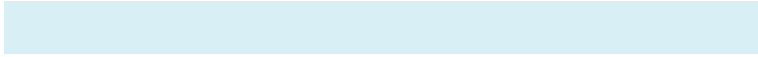
75.6668, 82.9245, 98.4042



83.0318, 82.9245, 88.0562

Square

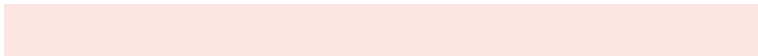
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



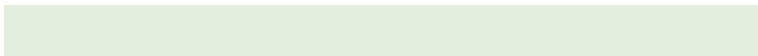
75.6668, 82.9245, 98.4042



81.6016, 82.9245, 99.7486



82.0540, 82.9245, 82.6359



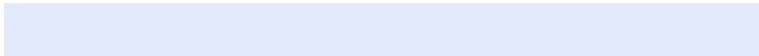
76.0970, 82.9245, 81.4504

Rectangle

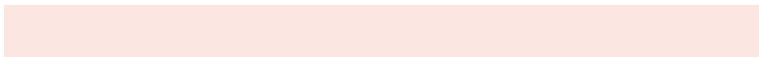
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



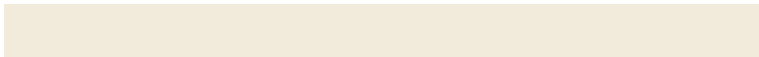
75.6668, 82.9245, 98.4042



78.8729, 82.9245, 102.9091



82.0540, 82.9245, 82.6359



78.7617, 82.9245, 78.7484

Sweetspot

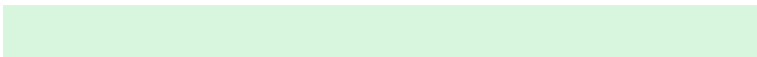
The Sweet Spot groups the original color and five complimentary colors.



75.6692, 82.9280, 98.4060



90.7273, 96.7782, 108.5060



74.1307, 85.1684, 81.5002



19.2503, 20.5876, 23.2092



0.0000, 0.0000, 0.0000



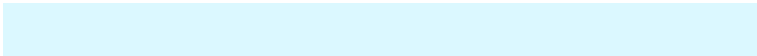
20.3446, 21.4041, 23.3091

Same Dimension

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



75.6692, 82.9280, 98.4060



80.8039, 89.2268, 107.5714



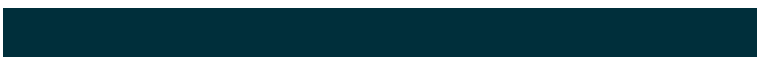
71.6459, 74.8813, 97.0649



16.6888, 18.1418, 21.1647



19.4153, 24.6244, 50.2677



1.7779, 2.3072, 4.4419

Inverse Universe

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



77.7939, 74.7578, 91.9949



83.5339, 78.8333, 99.3102



80.1341, 84.5356, 77.0606



17.0582, 16.7061, 20.0532



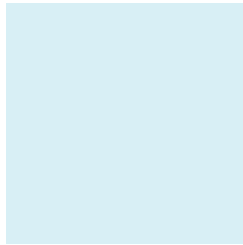
25.6045, 12.5852, 28.9551



2.2865, 1.1206, 2.7349

Previews

White Background



This preview shows how the XYZ color 75.6668, 82.9245, 98.4042 looks on a white background.

Color Contrast Check

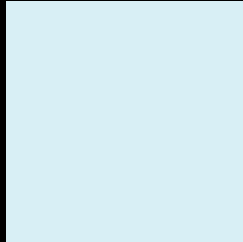
Large Text (above 18pt) WCAG AA × Fail

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 75.6668, 82.9245, 98.4042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

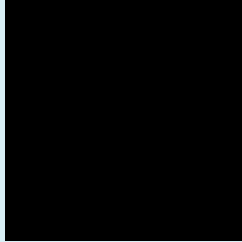
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.6668, 82.9245, 98.4042

Background



This preview shows how black text looks on a background with the XYZ color 75.6668, 82.9245, 98.4042.

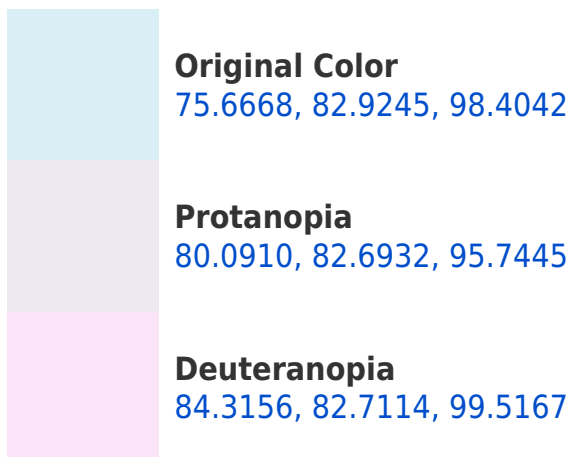


This preview shows how white text looks on a background with the XYZ color 75.6668, 82.9245,

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

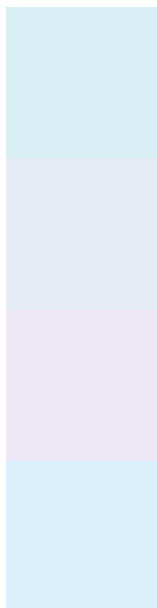




Tritanopia

77.5476, 82.8484, 106.5119

Trichromacy



Original Color

75.6668, 82.9245, 98.4042

Protanomaly

78.1991, 82.5457, 96.6054

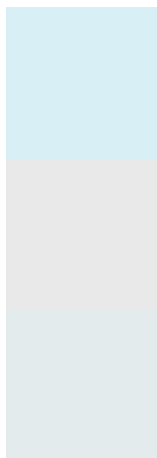
Deuteranomaly

80.7511, 82.5442, 98.8654

Tritanomaly

76.9006, 83.0195, 103.2381

Monochromacy



Original Color

75.6668, 82.9245, 98.4042

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.6729, 81.8620, 91.8806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.6668, 82.9245, 98.4042 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, 239, 245)` looks like.

```
.text, #text, p{  
    color:rgb(216, 239, 245)  
}
```

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, 239, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 239, 245) }
```

Border

The CSS property to change the border of an element to XYZ 75.6668, 82.9245, 98.4042 is called "border". The border property can be set on classes, ids or directly on the HTML element.

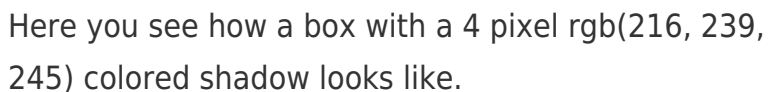
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 239, 245) }
```


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

```
.border{ border-color:rgb(216, 239, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 239, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 239, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 239, 245);  
box-shadow:4px 4px 4px 4px rgb(216, 239,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 75.6668, 82.9245, 98.4042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 239, 245) }
```

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

```
.background{ background-color: rgb(216,  
239, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor