

Converting Colors

XYZ(75.8832, 83.1717, 94.2589)

Have a look what the booklet for
XYZ(75.8832, 83.1717, 94.2589)
contains.

XYZ(75.8081, 83.0843, 94.4794)	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(75.8081, 83.0843,
94.4794)**

Conversions

Conversions Part 1

Format	Color
Hex	DBEFF0
RGB	219, 239, 240
RGB Percent	86%, 94%, 94%
CMY	0.1412, 0.0627, 0.0588
CMYK	0.09, 0.00, 0.00, 0.06
HSL	183°, 41%, 90%
HSV	183°, 9%, 94%
XYZ	75.8081, 83.0843, 94.4794
YIQ	233.1340, -12.2410, -3.9290

Conversions

Conversions Part 2

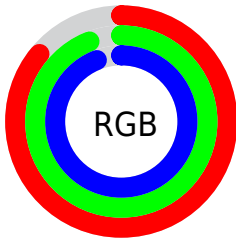
Format	Color
R _Y B	219, 229, 240
Decimal	14413808
CIE Lab	93.05, -6.36, -2.74
CIE LCh	93, 6.923, 203.325
Yxy	83.0843, 0.2992, 0.3279
Android (android.graphics.Color)	4292603888 (0xFFDBEFF0)
YUV	233.1340, 3.3849, -12.3955
Hunter-Lab	91.1506, -11.0587, 2.3501

Details

The XYZ color **75.8081, 83.0843, 94.4794** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.3150, 74.8258, 77.5453**, and the grayscale version is **77.5369, 81.5748, 88.8350**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8951, 45.2202, 51.9204** is the 20% darker color. If you saturate the color by 10%, you get **68.7702, 78.9650, 94.0565**, and if you desaturate by 10%, it is **83.8938, 87.7515, 94.9554**.

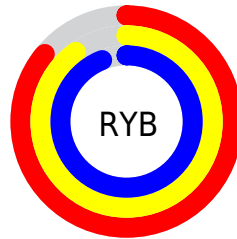
Distribution



Red (86%)

Green (94%)

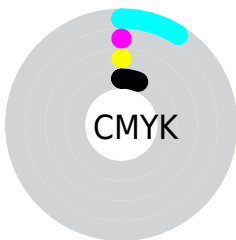
Blue (94%)



Red (86%)

Yellow (90%)

Blue (94%)

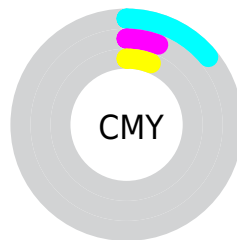


Cyan (9%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (14%)

Magenta (6%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8081, 83.0843, 94.4794 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 75.8081, 83.0843, 94.4794 by changing the saturation by 10% instead.

75.8081, 83.0843,
94.4794

75.8081, 83.0843,
94.4794

469.6450,
505.2674, 563.4387

56.5717, 62.2597,
71.1073

126.4374,
137.6935, 155.5346

40.9002, 45.2426,
51.9474

158.5610,
172.2469, 194.0547

28.4285, 31.6485,
36.5812

195.7110,
212.1454, 238.4612

18.7910, 21.0932,
24.5901

238.2528,
257.7733, 289.1726

11.6225, 13.1921,
15.5557

286.5518,
309.5151, 346.6076

6.5575, 7.5610,
9.0594

340.9732,

3.2308, 3.8153,

367.7551, 411.1845

4.6826

401.8825,
432.8777, 483.3221

■ 1.2770, 1.5708,
2.0068

■ 0.1659, 0.3378,
0.5595

■ 75.8081, 83.0843,
94.4794

■ 75.8081, 83.0843,
94.4794

■ 68.7702, 78.9650,
94.0565

■ 83.8938, 87.7515,
94.9554

■ 62.7287, 75.3602,
93.6792


■ 88.5075, 90.6295,
95.2677


■ 57.6385, 72.2489,
93.3469

■ 88.8462, 91.3069,
95.3806


■ 53.4481, 69.6046,
93.0573


■ 89.1870, 91.9885,
95.4942


 50.1012, 67.3982,
92.8079


 89.5299, 92.6744,
95.6085


 47.5353, 65.5975,
92.5955


 89.8750, 93.3645,
95.7236


 45.6790, 64.1657,
92.4170

 90.2221, 94.0588,
95.8393

 44.4479, 63.0594,
92.2684

 90.5714, 94.7574,
95.9557

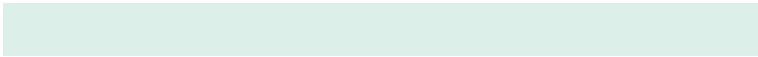
 43.7178, 62.2143,
92.1437

 90.9228, 95.4602,
96.0728

Harmonies

Analogous

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



75.5539, 83.0843, 89.3080



75.8081, 83.0843, 94.4794



76.9033, 83.0843, 98.7186

Triad

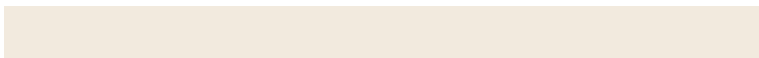
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8081, 83.0843, 94.4794



81.8009, 83.0843, 96.5656



79.3754, 83.0843, 80.8978

Complementary

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



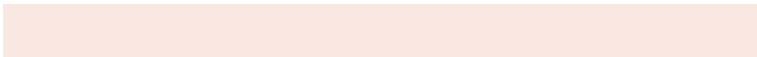
75.8081, 83.0843, 94.4794



74.3150, 74.8258, 77.5453

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.



81.0716, 83.0843, 82.6841



75.8081, 83.0843, 94.4794



82.4858, 83.0843, 91.6313

Square

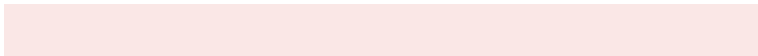
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8081, 83.0843, 94.4794



80.3588, 83.0843, 99.9550



82.2168, 83.0843, 86.5653



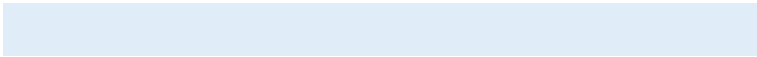
77.5956, 83.0843, 81.5949

Rectangle

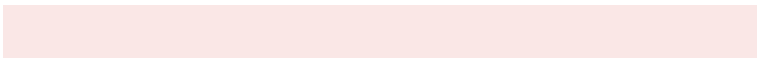
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



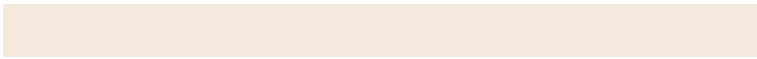
75.8081, 83.0843, 94.4794



77.9721, 83.0843, 100.3793



82.2168, 83.0843, 86.5653



79.9746, 83.0843, 81.2254

Sweetspot

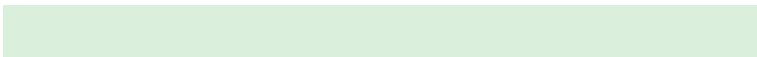
The Sweet Spot groups the original color and five complimentary colors.



75.8105, 83.0878, 94.4812



92.1756, 98.3465, 108.7323



73.2534, 82.5331, 79.5731



19.5690, 20.9577, 23.2638



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.



75.8105, 83.0878, 94.4812



85.8981, 94.7108, 108.3614



72.9070, 77.2808, 93.5134



16.1794, 17.7928, 20.3032



23.9180, 34.0603, 50.4416



2.0094, 2.8728, 4.2028

Inverse Universe

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



76.8485, 75.4220, 92.1729



87.2536, 84.7180, 105.3432



77.0752, 80.3462, 78.4653



16.4200, 16.0177, 19.7678



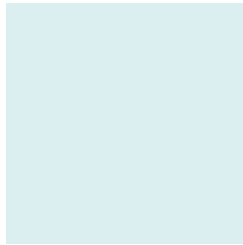
27.3983, 13.2318, 41.6098



2.2892, 1.1047, 3.5138

Previews

White Background



This preview shows how the XYZ color 75.8081, 83.0843, 94.4794 looks on a white background.

Color Contrast Check

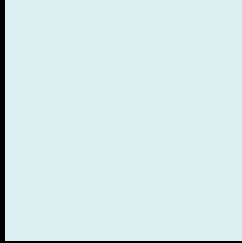
Large Text (above 18pt) WCAG AA × Fail

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 75.8081, 83.0843, 94.4794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

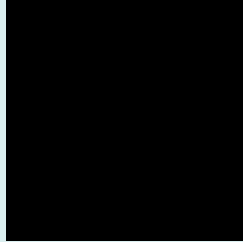
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

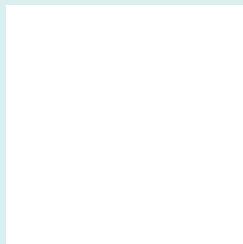
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.8081, 83.0843, 94.4794

Background



This preview shows how black text looks on a background with the XYZ color 75.8081, 83.0843, 94.4794.



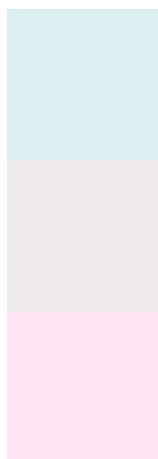
This preview shows how white text looks on a background with the XYZ color 75.8081, 83.0843, 94.4794.

94.4794.

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

75.8081, 83.0843, 94.4794

Protanopia

79.9688, 83.1372, 91.9530

Deuteranopia

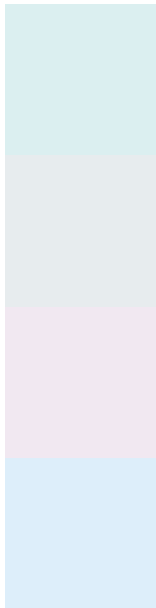
84.6435, 82.9684, 95.5577



Tritanopia

78.4584, 83.3180, 106.5545

Trichromacy



Original Color

75.8081, 83.0843, 94.4794

Protanomaly

78.3831, 83.1529, 92.8078

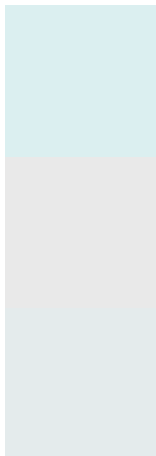
Deuteranomaly

81.0094, 82.7649, 94.9247

Tritanomaly

77.6486, 83.4234, 102.4523

Monochromacy



Original Color

75.8081, 83.0843, 94.4794

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.8436, 81.9668, 91.1280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8081, 83.0843, 94.4794 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(219, 239, 240)` looks like.

```
.text, #text, p{  
    color:rgb(219, 239, 240)  
}
```

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(219, 239, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 239, 240) }
```

Border

The CSS property to change the border of an element to XYZ 75.8081, 83.0843, 94.4794 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(219, 239, 240) }
```


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

```
.border{ border-color:rgb(219, 239, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 239, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 239, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 239, 240);  
box-shadow:4px 4px 4px 4px rgb(219, 239,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8081, 83.0843, 94.4794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 239, 240) }
```

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

```
.background{ background-color: rgb(219,  
239, 240) }
```

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