

Converting Colors

XYZ(68.2343, 79.7316, 94.9756)

Have a look what the booklet for
XYZ(68.2343, 79.7316, 94.9756)
contains.

XYZ(68.2725, 79.6182, 94.9886)	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(68.2725, 79.6182,
94.9886)**

Conversions

Conversions Part 1

Format	Color
Hex	BEF0F1
RGB	190, 240, 241
RGB Percent	75%, 94%, 95%
CMY	0.2549, 0.0588, 0.0549
CMYK	0.21, 0.00, 0.00, 0.05
HSL	181°, 65%, 85%
HSV	181°, 21%, 95%
XYZ	68.2725, 79.6182, 94.9886
YIQ	225.1640, -30.1210, -10.2890

Conversions

Conversions Part 2

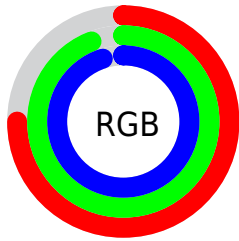
Format	Color
R_{YB}	190, 215, 241
Decimal	12513521
CIE _{Lab}	91.51, -15.63, -5.74
CIE _{LCh}	92, 16.650, 200.148
Yxy	79.6182, 0.2811, 0.3278
Android (android.graphics.Color)	4290703601 (0xFFBEF0F1)
YUV	225.1640, 7.8071, -30.8388
Hunter-Lab	89.2290, -19.5737, -0.6567

Details

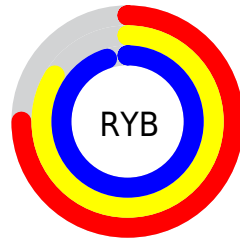
The XYZ color **68.2725, 79.6182, 94.9886** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.2015, 59.6804, 56.8525**, and the grayscale version is **71.6490, 75.3803, 82.0891**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **35.8891, 42.9347, 52.2946** is the 20% darker color. If you saturate the color by 10%, you get **62.6059, 76.4934, 94.6854**, and if you desaturate by 10%, it is **74.9394, 83.2633, 95.3421**.

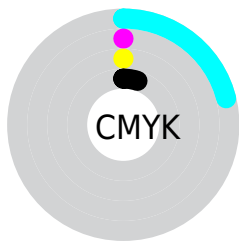
Distribution



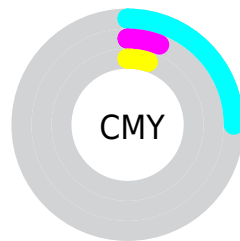
- Red (75%)
- Green (94%)
- Blue (95%)



- Red (75%)
- Yellow (84%)
- Blue (95%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)



- Cyan (25%)
- Magenta (6%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2725, 79.6182, 94.9886 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 68.2725, 79.6182, 94.9886 by changing the saturation by 10% instead.

68.2725, 79.6182,
94.9886

68.2725, 79.6182,
94.9886

443.8225,
493.6452, 565.1119

50.3939, 59.4042,
71.5287

115.7817,
132.8288, 156.2443

35.9456, 42.9386,
52.2892

146.1430,
166.5942, 194.8771

24.5621, 29.8369,
36.8519

181.3959,
205.6456, 239.4047

15.8781, 19.7149,
24.7979

221.9058,
250.3673, 290.2455

9.5282, 12.1879,
15.7089

268.0381,
301.1437, 347.8180

5.1471, 6.8718,
9.1663

320.1581,

2.3695, 3.3821,

358.3592, 412.5409

4.7515

378.6311,
422.3983, 484.8327

■ 0.8299, 1.3343,
2.0460

■ 0.0000, 0.1675,
0.5834

■ 68.2725, 79.6182,
94.9886

■ 68.2725, 79.6182,
94.9886

■ 62.6059, 76.4934,
94.6854

■ 74.9394, 83.2633,
95.3421

■ 57.8837, 73.8539,
94.4248


■ 82.6452, 87.4425,
95.7426


■ 54.0553, 71.6758,
94.2062


■ 88.6966, 90.7694,
96.0658


■ 51.0624, 69.9288,
94.0267


■ 88.8366, 91.0493,
96.1125


 48.8399, 68.5796,
93.8834

 88.9769, 91.3299,
96.1592


 47.3132, 67.5896,
93.7728


 89.1176, 91.6113,
96.2061

 46.3925, 66.9126,
93.6907

 89.2586, 91.8934,
96.2531

 45.9566, 66.5094,
93.6358

 89.4000, 92.1762,
96.3003

 89.5418, 92.4597,
96.3475

Harmonies

Analogous

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



67.9194, 79.6182, 82.7548



68.2725, 79.6182, 94.9886



70.5672, 79.6182, 105.8896

Triad

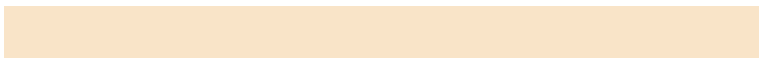
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.2725, 79.6182, 94.9886



82.1110, 79.6182, 102.5383



77.0789, 79.6182, 65.6516

Complementary

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



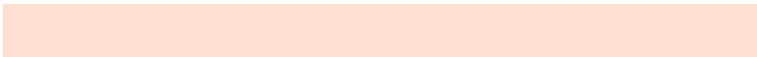
68.2725, 79.6182, 94.9886



64.2015, 59.6804, 56.8525

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.



81.0229, 79.6182, 69.9651



68.2725, 79.6182, 94.9886



83.9990, 79.6182, 90.7494

Square

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



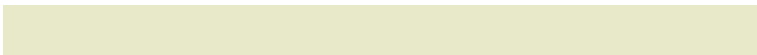
68.2725, 79.6182, 94.9886



78.5192, 79.6182, 110.5228



83.5935, 79.6182, 78.8907



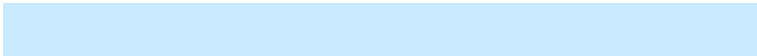
72.8998, 79.6182, 66.5572

Rectangle

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



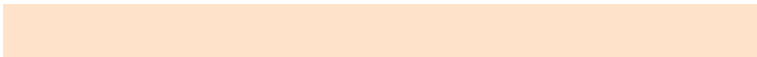
68.2725, 79.6182, 94.9886



72.9384, 79.6182, 110.5714



83.5935, 79.6182, 78.8907



78.4786, 79.6182, 66.5226

Sweetspot

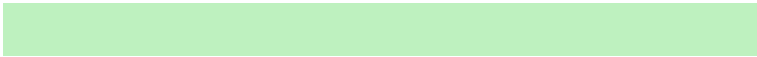
The Sweet Spot groups the original color and five complimentary colors.



68.2748, 79.6215, 94.9904



89.5481, 97.0221, 108.6152



62.0795, 77.6142, 60.9144



19.0445, 20.7003, 23.2418



0.0000, 0.0000, 0.0000



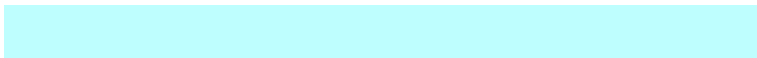
20.3446, 21.4041, 23.3091

Same Dimension

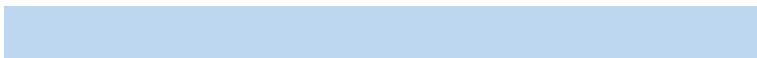
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.2748, 79.6215, 94.9904



74.9625, 89.0563, 107.8464



61.3253, 65.7224, 92.6739



16.2193, 17.8728, 20.3166



24.9333, 36.0909, 50.7800



2.0826, 3.0192, 4.2272

Inverse Universe

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



70.4191, 61.8207, 90.6629



77.7754, 65.7707, 102.1552



70.2170, 71.7113, 58.8576



16.4402, 16.0258, 19.8741



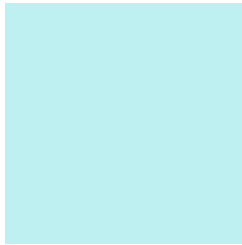
27.9108, 13.4368, 44.3084



2.3262, 1.1195, 3.7083

Previews

White Background



This preview shows how the XYZ color 68.2725, 79.6182, 94.9886 looks on a white background.

Color Contrast Check

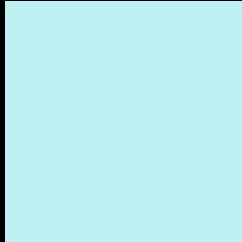
Large Text (above 18pt) WCAG AA × Fail

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 68.2725, 79.6182, 94.9886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

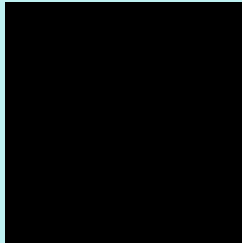
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.2725, 79.6182, 94.9886

Background



This preview shows how black text looks on a background with the XYZ color 68.2725, 79.6182, 94.9886.

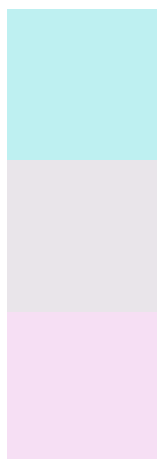


This preview shows how white text looks on a background with the XYZ color 68.2725, 79.6182,

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

68.2725, 79.6182, 94.9886

Protanopia

76.4749, 79.3028, 89.1182

Deuteranopia

80.7228, 78.8998, 96.5626



Tritanopia

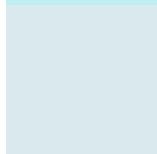
71.0991, 79.5241, 106.2101

Trichromacy



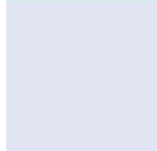
Original Color

68.2725, 79.6182, 94.9886



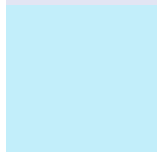
Protanomaly

73.0402, 79.1440, 91.5474



Deuteranomaly

75.5610, 78.6784, 95.9980



Tritanomaly

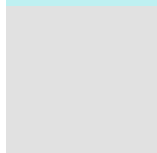
70.0780, 79.5205, 102.0980

Monochromacy



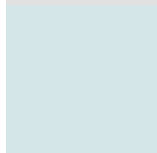
Original Color

68.2725, 79.6182, 94.9886



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.8720, 76.3602, 86.6577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2725, 79.6182, 94.9886 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(190, 240, 241)` looks like.

```
.text, #text, p{  
    color:rgb(190, 240, 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(190, 240, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 240, 241) }
```

Border

The CSS property to change the border of an element to XYZ 68.2725, 79.6182, 94.9886 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(190, 240, 241) }
```


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

```
.border{ border-color:rgb(190, 240, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 240, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 240, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 240, 241);  
box-shadow:4px 4px 4px 4px rgb(190, 240,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2725, 79.6182, 94.9886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 240, 241) }
```

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

```
.background{ background-color: rgb(190,  
240, 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](#).

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