

Converting Colors

XYZ(59.7995, 68.5075, 77.7816)

Have a look what the booklet for
XYZ(59.7995, 68.5075, 77.7816)
contains.

XYZ(59.7995, 68.5075, 77.7816)	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(59.7995, 68.5075,
77.7816)**

Conversions

Conversions Part 1

Format	Color
Hex	BBDFDC
RGB	187, 223, 220
RGB Percent	73%, 87%, 86%
CMY	0.2667, 0.1255, 0.1372
CMYK	0.16, 0.00, 0.01, 0.13
HSL	175°, 36%, 80%
HSV	175°, 16%, 87%
XYZ	59.7995, 68.5075, 77.7816
YIQ	211.8940, -20.4930, -8.5650

Conversions

Conversions Part 2

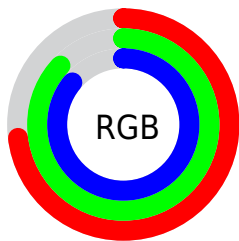
Format	Color
RYB	187, 206, 223
Decimal	12312540
CIELab	86.26, -12.33, -2.48
CIElCh	86, 12.581, 191.356
Yxy	68.5075, 0.2902, 0.3324
Android (android.graphics.Color)	4290502620 (0xFFBBDFDC)
YUV	211.8940, 3.9963, -21.8320
Hunter-Lab	82.7693, -15.8827, 2.2213

Details

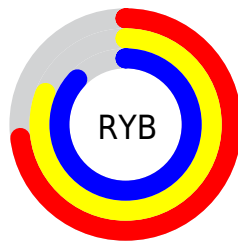
The XYZ color **59.7995, 68.5075, 77.7816** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.4985, 54.9483, 56.2939**, and the grayscale version is **62.4946, 65.7492, 71.6008**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **30.4670, 35.7084, 40.8839** is the 20% darker color. If you saturate the color by 10%, you get **54.5174, 65.8146, 76.2567**, and if you desaturate by 10%, it is **65.9355, 71.6439, 79.3636**.

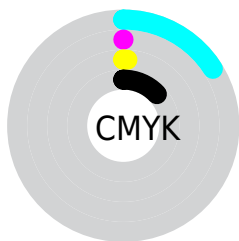
Distribution



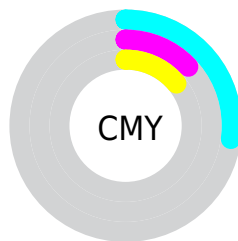
- Red (73%)
- Green (87%)
- Blue (86%)



- Red (73%)
- Yellow (81%)
- Blue (87%)



- Cyan (16%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)



- Cyan (27%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.7995, 68.5075, 77.7816 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 59.7995, 68.5075, 77.7816 by changing the saturation by 10% instead.

■ 59.7995, 68.5075,
77.7816

■ 59.7995, 68.5075,
77.7816

413.7049,
455.2920, 506.9331

■ 43.5059, 50.3107,
57.3792

■ 103.6468,
117.0779, 132.0253

■ 30.4785, 35.6603,
40.8984

131.9311,
148.2202, 166.7036

■ 20.3519, 24.1720,
27.9206

164.9431,
184.4466, 206.9777

■ 12.7609, 15.4613,
18.0273

203.0481,
226.1413, 253.2661

■ 7.3399, 9.1437,
10.7999

246.6114,
273.6889, 305.9872

■ 3.7238, 4.8351,
5.8200

295.9984,

■ 1.5471, 2.1508,

327.4735, 365.5598

2.6689

351.5745,
387.8798, 432.4022

■ 0.3575, 0.6930,
0.9277

■ 0.0000, 0.0000,
0.0000

■ 59.7995, 68.5075,
77.7816

■ 59.7995, 68.5075,
77.7816

■ 54.5174, 65.8146,
76.2567

■ 65.9355, 71.6439,
79.3636

■ 50.0443, 63.5366,
74.7826

■ 72.9558, 75.2341,
80.9999

■ 46.3401, 61.6547,
73.3586

■ 80.8969, 79.2986,
82.6937

■ 43.3589, 60.1453,
71.9827

■ 81.5552, 79.6084,
84.0612

41.0502, 58.9821,
70.6523

81.8141, 79.7119,
85.4244

39.3565, 58.1357,
69.3649

82.0758, 79.8166,
86.8023

38.2110, 57.5716,
68.1171

82.3402, 79.9224,
88.1949

37.5305, 57.2469,
66.9050

82.6075, 80.0293,
89.6023

37.3364, 57.1568,
66.4446

82.8776, 80.1373,
91.0245

Harmonies

Analogous

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



59.9730, 68.5075, 69.6039



59.7995, 68.5075, 77.7816



61.0183, 68.5075, 85.6489

Triad

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



59.7995, 68.5075, 77.7816



68.8682, 68.5075, 87.2322



66.9130, 68.5075, 60.4630

Complementary

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



59.7995, 68.5075, 77.7816



57.4985, 54.9483, 56.2939

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.



69.3897, 68.5075, 64.5321



59.7995, 68.5075, 77.7816



70.5414, 68.5075, 79.8150

Square

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



59.7995, 68.5075, 77.7816



66.2184, 68.5075, 91.3690



70.7351, 68.5075, 71.4928



64.0226, 68.5075, 60.0074

Rectangle

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



59.7995, 68.5075, 77.7816



62.4780, 68.5075, 89.5026



70.7351, 68.5075, 71.4928



67.8238, 68.5075, 61.4386

Sweetspot

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



59.8015, 68.5103, 77.7831



90.3430, 97.5932, 107.7884



56.7448, 67.3907, 57.0319



19.2008, 20.8193, 23.0380



0.0000, 0.0000, 0.0000



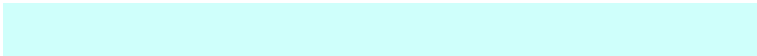
20.3446, 21.4041, 23.3091

Same Dimension

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



59.8015, 68.5103, 77.7831



78.7726, 91.6831, 104.7773



56.5173, 61.2998, 78.6686



14.0647, 15.5516, 17.3757



21.9726, 33.6139, 39.1745



1.5378, 2.3358, 2.7931

Inverse Universe

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



57.4985, 54.9483, 56.2939



75.1507, 70.3506, 70.9780



60.3835, 61.2382, 55.6526



13.7534, 13.7190, 14.4717



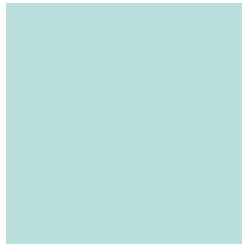
17.9771, 9.2579, 1.2794



1.2624, 0.6482, 0.1746

Previews

White Background



This preview shows how the XYZ color 59.7995, 68.5075, 77.7816 looks on a white background.

Color Contrast Check

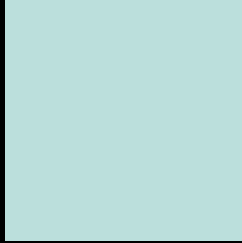
Large Text (above 18pt) WCAG AA × Fail

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 59.7995, 68.5075, 77.7816 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

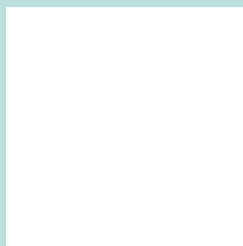
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.7995, 68.5075, 77.7816

Background



This preview shows how black text looks on a background with the XYZ color 59.7995, 68.5075, 77.7816.

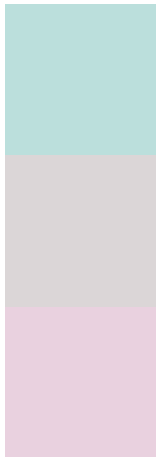


This preview shows how white text looks on a background with the XYZ color 59.7995, 68.5075,

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

59.7995, 68.5075, 77.7816

Protanopia

65.5257, 68.0595, 73.9732

Deuteranopia

69.7240, 68.2523, 79.3112



Tritanopia

62.2610, 68.3066, 90.7919

Trichromacy



Original Color

59.7995, 68.5075, 77.7816

Protanomaly

63.0694, 67.9009, 75.4277

Deuteranomaly

65.5503, 67.9660, 78.7711

Tritanomaly

61.2665, 68.3012, 85.5557

Monochromacy



Original Color

59.7995, 68.5075, 77.7816

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

61.4502, 66.7145, 73.9284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7995, 68.5075, 77.7816 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(187, 223, 220)` looks like.

```
.text, #text, p{  
    color:rgb(187, 223, 220)  
}
```

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(187, 223, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 223, 220) }
```

Border

The CSS property to change the border of an element to XYZ 59.7995, 68.5075, 77.7816 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(187, 223, 220) }
```


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

```
.border{ border-color:rgb(187, 223, 220) }
```

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

Here you see how a box with a 4 pixel rgb(187, 223, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 223, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 223, 220);  
box-shadow:4px 4px 4px 4px rgb(187, 223,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7995, 68.5075, 77.7816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 223, 220) }
```

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

```
.background{ background-color: rgb(187,  
223, 220) }
```

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