

Converting Colors

XYZ(58.7752, 68.4375, 88.2625)

Have a look what the booklet for
XYZ(58.7752, 68.4375, 88.2625)
contains.

XYZ(58.7898, 68.5616, 87.9771)	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(58.7898, 68.5616,
87.9771)**

Conversions

Conversions Part 1

Format	Color
Hex	ACE1EA
RGB	172, 225, 234
RGB Percent	67%, 88%, 92%
CMY	0.3255, 0.1176, 0.0823
CMYK	0.26, 0.04, 0.00, 0.08
HSL	189°, 60%, 80%
HSV	189°, 26%, 92%
XYZ	58.7898, 68.5616, 87.9771
YIQ	210.1790, -34.4770, -8.4370

Conversions

Conversions Part 2

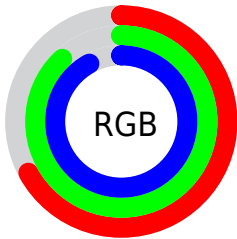
Format	Color
R _Y B	172, 201, 234
Decimal	11330026
CIE Lab	86.29, -14.88, -9.92
CIE LCh	86, 17.882, 213.709
Yxy	68.5616, 0.2730, 0.3184
Android (android.graphics.Color)	4289520106 (0xFFACE1EA)
YUV	210.1790, 11.7438, -33.4830
Hunter-Lab	82.8019, -18.1675, -5.0343

Details

The XYZ color **58.7898, 68.5616, 87.9771** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.9029, 53.5193, 46.3098**, and the grayscale version is **61.3193, 64.5126, 70.2543**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **29.8818, 35.8154, 47.4576** is the 20% darker color. If you saturate the color by 10%, you get **53.1910, 64.3277, 87.4561**, and if you desaturate by 10%, it is **65.3152, 73.3037, 88.5496**.

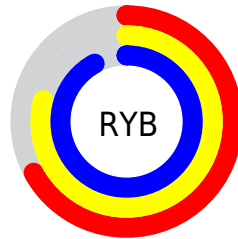
Distribution



Red (67%)

Green (88%)

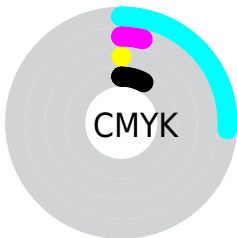
Blue (92%)



Red (67%)

Yellow (79%)

Blue (92%)

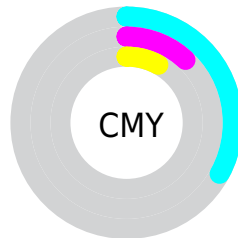


Cyan (26%)

Magenta (4%)

Yellow (0%)

Black (8%)



Cyan (33%)

Magenta (12%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7898, 68.5616, 87.9771 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 58.7898, 68.5616, 87.9771 by changing the saturation by 10% instead.

■ 58.7898, 68.5616,
87.9771

■ 58.7898, 68.5616,
87.9771

410.0291,
455.4832, 541.8276

■ 42.6896, 50.3548,
65.7399

■ 102.1885,
117.1552, 146.4361

■ 29.8352, 35.6954,
47.6061

130.2177,
148.3107, 183.4950

■ 19.8609, 24.1990,
33.1573

162.9540,
184.5513, 226.3315

■ 12.4017, 15.4813,
21.9749

200.7628,
226.2613, 275.3642

■ 7.0920, 9.1579,
13.6403

244.0093,
273.8251, 331.0117

■ 3.5665, 4.8443,
7.7350

293.0589,

■ 1.4600, 2.1562,

327.6271, 393.6923

3.8405

348.2771,
388.0516, 463.8248

■ 0.2983, 0.6960,
1.5383

■ 0.0000, 0.0000,
0.2462

■ 58.7898, 68.5616,
87.9771

■ 58.7898, 68.5616,
87.9771

■ 53.1910, 64.3277,
87.4561

■ 65.3152, 73.3037,
88.5496

■ 48.4652, 60.5690,
86.9797

■ 72.8051, 78.5687,
89.1711

■ 44.5625, 57.2615,
86.5470

■ 81.3027, 84.3805,
89.8450

■ 41.4254, 54.3753,
86.1552

■ 86.8374, 88.6925,
90.3856

■ 38.9892, 51.8768,
85.8014

■ 87.8387, 90.6951,
90.7194

■ 37.1776, 49.7268,
85.4818

■ 88.8588, 92.7352,
91.0594

■ 35.8952, 47.8757,
85.1921

■ 89.8978, 94.8131,
91.4057

■ 35.5157, 47.2691,
85.0950

■ 90.9557, 96.9290,
91.7584

■ 91.8515, 98.7206,
92.0570

Harmonies

Analogous

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



57.5691, 68.5616, 76.1306



58.7898, 68.5616, 87.9771



61.7164, 68.5616, 96.9183

Triad

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



58.7898, 68.5616, 87.9771



72.5363, 68.5616, 85.1687



64.6541, 68.5616, 54.2066

Complementary

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



58.7898, 68.5616, 87.9771



57.9029, 53.5193, 46.3098

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.



68.7413, 68.5616, 56.0872



58.7898, 68.5616, 87.9771



73.4029, 68.5616, 73.1925

Square

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



58.7898, 68.5616, 87.9771



69.6660, 68.5616, 95.1805



71.9868, 68.5616, 62.7451



60.8636, 68.5616, 57.3101

Rectangle

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



58.7898, 68.5616, 87.9771



64.3008, 68.5616, 99.5750



71.9868, 68.5616, 62.7451



66.0385, 68.5616, 54.2787

Sweetspot

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



58.7918, 68.5644, 87.9787



87.0018, 94.4598, 108.2548



54.7029, 70.9238, 54.1307



18.3170, 20.0056, 23.1460



0.0000, 0.0000, 0.0000



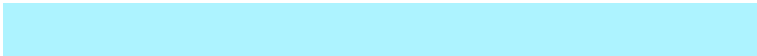
20.3446, 21.4041, 23.3091

Same Dimension

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



58.7918, 68.5644, 87.9787



67.4701, 80.3458, 106.5600



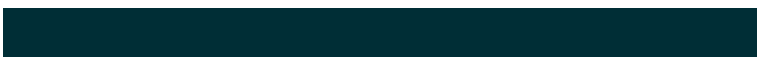
51.3214, 53.6236, 85.4885



15.3206, 16.7276, 19.3435



20.0297, 26.7064, 47.8421



1.6237, 2.1989, 3.7737

Inverse Universe

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



62.2765, 52.4354, 78.0759



72.4619, 57.7814, 92.2530



64.7400, 67.1936, 48.5888



15.6154, 15.2740, 18.5257



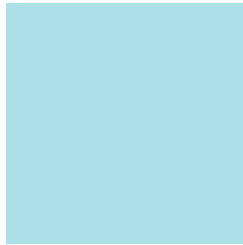
24.9654, 12.1888, 31.9486



1.9861, 0.9674, 2.6440

Previews

White Background



This preview shows how the XYZ color 58.7898, 68.5616, 87.9771 looks on a white background.

Color Contrast Check

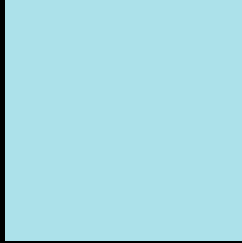
Large Text (above 18pt) WCAG AA × Fail

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 58.7898, 68.5616, 87.9771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

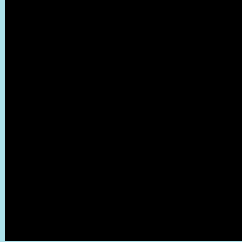
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.7898, 68.5616, 87.9771

Background



This preview shows how black text looks on a background with the XYZ color 58.7898, 68.5616, 87.9771.



This preview shows how white text looks on a background with the XYZ color 58.7898, 68.5616,

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

58.7898, 68.5616, 87.9771

Protanopia

66.2306, 68.2381, 82.3536

Deuteranopia

69.4506, 67.8841, 89.5633



Tritanopia

60.1382, 68.7208, 94.0992

Trichromacy



Original Color

58.7898, 68.5616, 87.9771

Protanomaly

63.1737, 68.1353, 84.6847

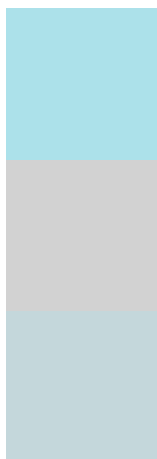
Deuteranomaly

64.8944, 67.7788, 89.0192

Tritanomaly

59.4692, 68.4275, 91.7348

Monochromacy



Original Color

58.7898, 68.5616, 87.9771

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

59.8516, 65.4511, 76.4966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7898, 68.5616, 87.9771 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(172, 225, 234)` looks like.

```
.text, #text, p{  
    color:rgb(172, 225, 234)  
}
```

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(172, 225, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 225, 234) }
```

Border

The CSS property to change the border of an element to XYZ 58.7898, 68.5616, 87.9771 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(172, 225, 234) }
```


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

```
.border{ border-color:rgb(172, 225, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 225, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 225, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 225, 234);  
box-shadow:4px 4px 4px 4px rgb(172, 225,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7898, 68.5616, 87.9771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 225, 234) }
```

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

```
.background{ background-color: rgb(172,  
225, 234) }
```

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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