

Converting Colors

XYZ(59.4578, 69.0769, 87.5969)

Have a look what the booklet for
XYZ(59.4578, 69.0769, 87.5969)
contains.

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Color

**XYZ(59.3124, 68.8476,
87.2536)**

Conversions

Conversions Part 1

Format	Color
Hex	AFE1E9
RGB	175, 225, 233
RGB Percent	69%, 88%, 91%
CMY	0.3137, 0.1176, 0.0863
CMYK	0.25, 0.03, 0.00, 0.09
HSL	188°, 57%, 80%
HSV	188°, 25%, 91%
XYZ	59.3124, 68.8476, 87.2536
YIQ	210.9620, -32.3680, -8.1120

Conversions

Conversions Part 2

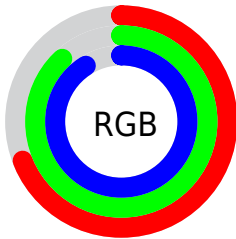
Format	Color
R _Y B	175, 202, 233
Decimal	11526633
CIE Lab	86.43, -14.23, -9.17
CIE LCh	86, 16.926, 212.792
Yxy	68.8476, 0.2753, 0.3196
Android (android.graphics.Color)	4289716713 (0xFFAFE1E9)
YUV	210.9620, 10.8647, -31.5387
Hunter-Lab	82.9745, -17.6086, -4.2656

Details

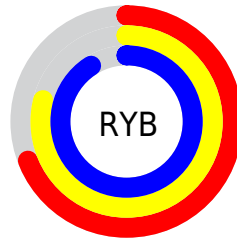
The XYZ color **59.3124, 68.8476, 87.2536** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.2764, 54.2861, 47.9657**, and the grayscale version is **61.8393, 65.0597, 70.8501**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **30.1957, 35.9887, 46.9500** is the 20% darker color. If you saturate the color by 10%, you get **53.6675, 64.6620, 86.7444**, and if you desaturate by 10%, it is **65.8800, 73.5366, 87.8137**.

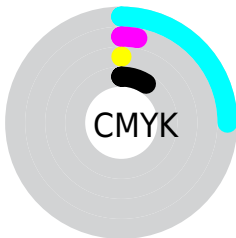
Distribution



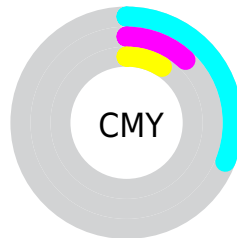
- Red (69%)
- Green (88%)
- Blue (91%)



- Red (69%)
- Yellow (79%)
- Blue (91%)



- Cyan (25%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3124, 68.8476, 87.2536 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 59.3124, 68.8476, 87.2536 by changing the saturation by 10% instead.

■ 59.3124, 68.8476,
87.2536

■ 59.3124, 68.8476,
87.2536

411.9341,
456.4933, 539.3937

■ 43.1120, 50.5876,
65.1443

■ 102.9436,
117.5639, 145.4195

■ 30.1679, 35.8805,
47.1260

131.1051,
148.7889, 182.3132

■ 20.1148, 24.3419,
32.7802

163.9843,
185.1045, 224.9722

■ 12.5872, 15.5875,
21.6884

201.9467,
226.8949, 273.8148

■ 7.2200, 9.2327,
13.4320

245.3575,
274.5446, 329.2597

■ 3.6476, 4.8933,
7.5925

294.5821,

■ 1.5048, 2.1848,

328.4380, 391.7255

3.7513

349.9858,
388.9594, 461.6306

■ 0.3291, 0.7117,
1.4899

■ 0.0000, 0.0000,
0.2104

■ 59.3124, 68.8476,
87.2536

■ 59.3124, 68.8476,
87.2536

■ 53.6675, 64.6620,
86.7444

■ 65.8800, 73.5366,
87.8137

■ 48.8928, 60.9474,
86.2790

■ 73.4073, 78.7430,
88.4219

■ 44.9397, 57.6804,
85.8568

■ 81.9367, 84.4905,
89.0817

■ 41.7526, 54.8321,
85.4750

■ 86.4806, 88.2081,
89.5598

39.2684, 52.3699,
85.1306

87.4236, 90.0941,
89.8741

37.4141, 50.2560,
84.8204

88.3834, 92.0137,
90.1940

36.1001, 48.4441,
84.5399

89.3601, 93.9670,
90.5196

35.5656, 47.5980,
84.4048

90.3536, 95.9542,
90.8508

91.3643, 97.9754,
91.1876

Harmonies

Analogous

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



58.2044, 68.8476, 76.0182



59.3124, 68.8476, 87.2536



62.0564, 68.8476, 95.8135

Triad

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



59.3124, 68.8476, 87.2536



72.3619, 68.8476, 85.2568



65.0717, 68.8476, 55.4295

Complementary

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



59.3124, 68.8476, 87.2536



58.2764, 54.2861, 47.9657

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.



68.9394, 68.8476, 57.3812



59.3124, 68.8476, 87.2536



73.2464, 68.8476, 73.9183

Square

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



59.3124, 68.8476, 87.2536



69.5990, 68.8476, 94.5822



71.9706, 68.8476, 63.8850



61.4455, 68.8476, 58.2643

Rectangle

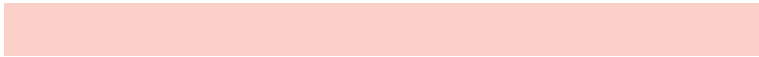
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.3124, 68.8476, 87.2536



64.4978, 68.8476, 98.4455



71.9706, 68.8476, 63.8850



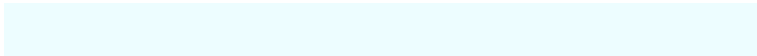
66.3865, 68.8476, 55.5480

Sweetspot

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



59.3144, 68.8504, 87.2552



88.0050, 95.2100, 108.3468



55.3389, 70.8009, 55.4051



18.7128, 20.2938, 23.1808



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.



59.3144, 68.8504, 87.2552



69.0119, 81.7179, 106.7436



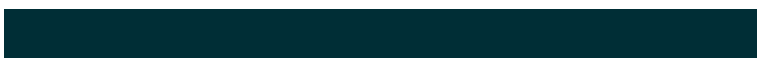
52.1887, 54.5989, 84.8799



15.3303, 16.7470, 19.3468



20.2486, 27.1441, 47.9151



1.6388, 2.2291, 3.7788

Inverse Universe

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



62.5265, 53.4214, 78.2532



73.6579, 59.8593, 93.6199



64.8203, 67.3739, 50.1470



15.6203, 15.2760, 18.5516



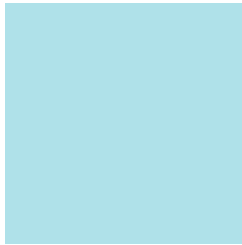
25.0758, 12.2330, 32.5303



1.9937, 0.9704, 2.6842

Previews

White Background



This preview shows how the XYZ color 59.3124, 68.8476, 87.2536 looks on a white background.

Color Contrast Check

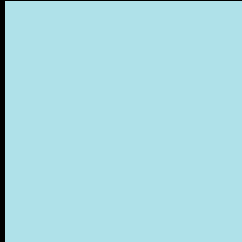
Large Text (above 18pt) WCAG AA × Fail

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 59.3124, 68.8476, 87.2536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

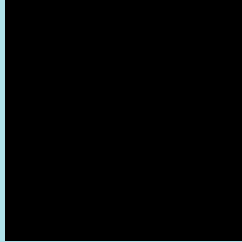
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.3124, 68.8476, 87.2536

Background



This preview shows how black text looks on a background with the XYZ color 59.3124, 68.8476, 87.2536.

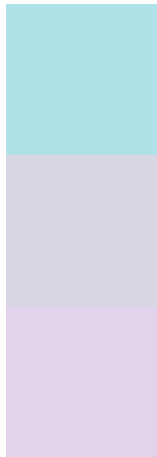


This preview shows how white text looks on a background with the XYZ color 59.3124, 68.8476,

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

59.3124, 68.8476, 87.2536

Protanopia

66.2306, 68.2381, 82.3536

Deuteranopia

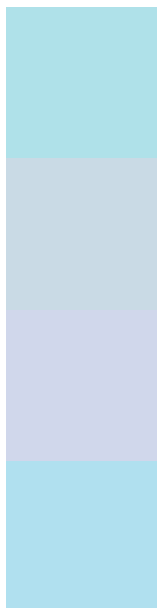
69.8655, 68.4802, 88.8926



Tritanopia

60.8141, 69.0692, 94.1308

Trichromacy



Original Color

59.3124, 68.8476, 87.2536

Protanomaly

63.3017, 68.2175, 83.9597

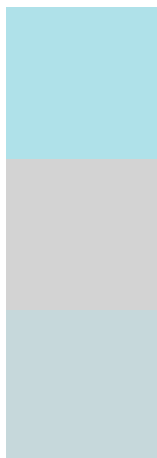
Deuteranomaly

65.3083, 68.0089, 88.2822

Tritanomaly

60.1401, 68.7734, 91.7662

Monochromacy



Original Color

59.3124, 68.8476, 87.2536

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

60.6308, 66.2320, 76.6063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3124, 68.8476, 87.2536 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(175, 225, 233)` looks like.

```
.text, #text, p{  
    color:rgb(175, 225, 233)  
}
```

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(175, 225, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 225, 233) }
```

Border

The CSS property to change the border of an element to XYZ 59.3124, 68.8476, 87.2536 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(175, 225, 233) }
```


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

```
.border{ border-color:rgb(175, 225, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 225, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 225, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 225, 233);  
box-shadow:4px 4px 4px 4px rgb(175, 225,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3124, 68.8476, 87.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 225, 233) }
```

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

```
.background{ background-color: rgb(175,  
225, 233) }
```

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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