

# Converting Colors

XYZ(59.1452, 71.6404, 87.0556)

Have a look what the booklet for  
XYZ(59.1452, 71.6404, 87.0556)  
contains.

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# Color

**XYZ(59.1480, 71.6464,  
87.0556)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6E8E8
RGB	166, 232, 232
RGB Percent	65%, 91%, 91%
CMY	0.3490, 0.0902, 0.0902
CMYK	0.28, 0.00, 0.00, 0.09
HSL	180°, 59%, 78%
HSV	180°, 28%, 91%
XYZ	59.1480, 71.6464, 87.0556
YIQ	212.2660, -39.3360, -13.9920

# Conversions

## Conversions Part 2

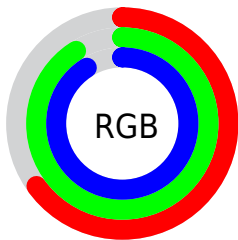
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 199, 232
Decimal	10938600
CIE <sub>Lab</sub>	87.80, -20.53, -6.67
CIE <sub>LCh</sub>	88, 21.583, 197.988
Yxy	71.6464, 0.2715, 0.3289
Android (android.graphics.Color)	4289128680 (0xFFA6E8E8)
YUV	212.2660, 9.7289, -40.5753
Hunter-Lab	84.6442, -23.3944, -1.7282

# Details

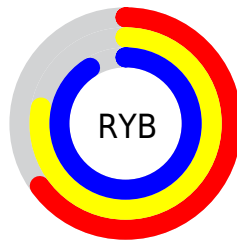
The XYZ color **59.1480, 71.6464, 87.0556** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **53.8004, 47.1835, 42.3510**, and the grayscale version is **62.7140, 65.9800, 71.8522**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **29.9174, 37.5648, 46.7482** is the 20% darker color. If you saturate the color by 10%, you get **54.7170, 69.3639, 86.8491**, and if you desaturate by 10%, it is **64.4605, 74.3869, 87.3065**.

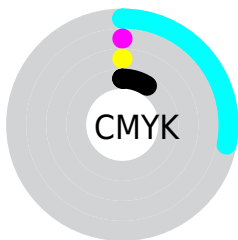
# Distribution



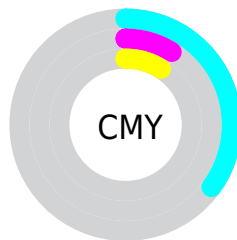
- Red (65%)
- Green (91%)
- Blue (91%)



- Red (65%)
- Yellow (78%)
- Blue (91%)



- Cyan (28%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (35%)
- Magenta (9%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1480, 71.6464, 87.0556 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 59.1480, 71.6464, 87.0556 by changing the saturation by 10% instead.



59.1480, 71.6464,  
87.0556

59.1480, 71.6464,  
87.0556

411.3354,  
466.3099, 538.7265

42.9791, 52.8699,  
64.9813

102.7061,  
121.5537, 145.1412

30.0632, 37.6989,  
46.9947

130.8261,  
153.4532, 181.9896

20.0348, 25.7491,  
32.6771

163.6604,  
190.4959, 224.5998

12.5288, 16.6360,  
21.6101

201.5745,  
233.0661, 273.3903

7.1796, 9.9753,  
13.3752

244.9337,  
281.5482, 328.7797

3.6220, 5.3826,  
7.5536

294.1033,

1.4906, 2.4735,

336.3266, 391.1865

3.7270

349.4488,  
397.7857, 461.0293

■ 0.3194, 0.8633,  
1.4768

■ 0.0000, 0.0000,  
0.2006

■ 59.1480, 71.6464,  
87.0556

■ 59.1480, 71.6464,  
87.0556

■ 54.7170, 69.3639,  
86.8491

■ 64.4605, 74.3869,  
87.3065

■ 51.1140, 67.5065,  
86.6797

■ 70.6918, 77.5992,  
87.5988

■ 48.2894, 66.0504,  
86.5468

■ 77.8849, 81.3074,  
87.9362

■ 46.1859, 64.9661,  
86.4476

■ 84.6641, 84.8022,  
88.2542

44.7383, 64.2198,  
86.3792

84.6642, 84.8022,  
88.2549

43.8694, 63.7719,  
86.3378

84.6644, 84.8023,  
88.2556

43.4676, 63.5648,  
86.3183

84.6645, 84.8023,  
88.2563

43.4225, 63.5415,  
86.3160

84.6646, 84.8024,  
88.2571

84.6648, 84.8024,  
88.2578

# Harmonies

## Analogous

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



58.9062, 71.6464, 72.2833



59.1480, 71.6464, 87.0556



61.7127, 71.6464, 100.9165

# Triad

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



59.1480, 71.6464, 87.0556



75.6857, 71.6464, 98.4661



70.1693, 71.6464, 53.5331

# Complementary

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



59.1480, 71.6464, 87.0556



53.8004, 47.1835, 42.3510

# 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.



74.9087, 71.6464, 58.8631



59.1480, 71.6464, 87.0556



78.1989, 71.6464, 84.0331

# Square

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



59.1480, 71.6464, 87.0556



71.1868, 71.6464, 108.0518



77.9076, 71.6464, 69.6151



65.0994, 71.6464, 54.1279

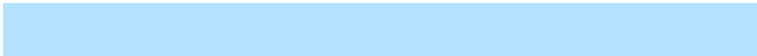


# Rectangle

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



59.1480, 71.6464, 87.0556



64.4705, 71.6464, 107.2119



77.9076, 71.6464, 69.6151



71.8585, 71.6464, 54.6608

# Sweetspot

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



59.1501, 71.6493, 87.0572



87.1048, 95.9041, 108.5274



51.6992, 68.6957, 46.6127



18.3888, 20.3959, 23.2174



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.



59.1501, 71.6493, 87.0572



70.0218, 87.0976, 107.7256



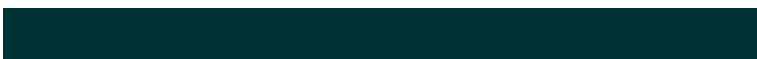
50.9710, 55.2904, 84.3328



14.8075, 16.3364, 18.5170



24.1055, 35.2743, 47.9173



1.7813, 2.6067, 3.5410



# Inverse Universe

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



53.8004, 47.1835, 42.3510



62.3943, 52.2147, 43.9842



60.3354, 60.2540, 44.5281



14.3771, 14.3680, 14.9201



18.4751, 9.5243, 0.8648

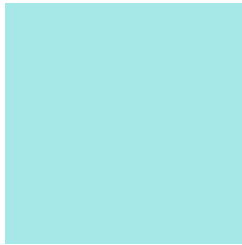


1.3653, 0.7038, 0.0640



# Previews

## White Background



This preview shows how the XYZ color 59.1480, 71.6464, 87.0556 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

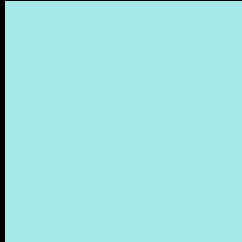
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.1480, 71.6464, 87.0556 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

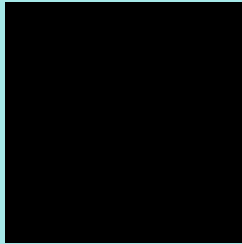
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.1480, 71.6464, 87.0556**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.1480, 71.6464, 87.0556.



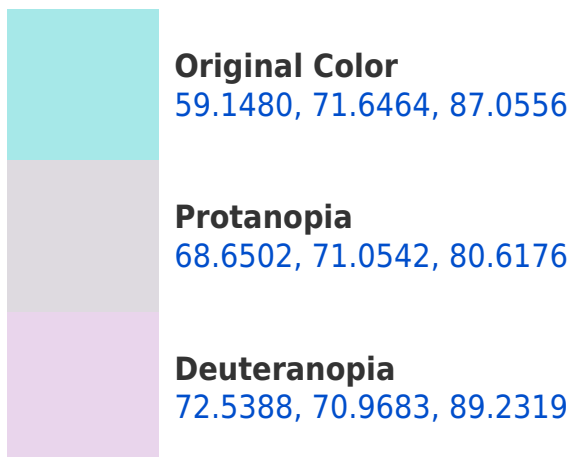
This preview shows how white text looks on a background with the XYZ color 59.1480, 71.6464,



# 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





## Tritanopia

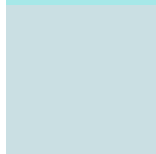
61.8177, 71.9170, 99.4302

# Trichromacy



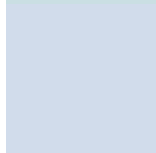
## Original Color

59.1480, 71.6464, 87.0556



## Protanomaly

64.6099, 70.8780, 82.9486



## Deuteranomaly

66.8831, 70.7399, 88.7263



## Tritanomaly

60.9651, 71.9976, 94.6881

# Monochromacy



## Original Color

59.1480, 71.6464, 87.0556



## Achromatopsia

62.5785, 65.8375, 71.6970



## Achromatomaly

60.6234, 67.3796, 76.8282

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.1480, 71.6464, 87.0556 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(166, 232, 232)` looks like.

```
.text, #text, p{  
    color:rgb(166, 232, 232)  
}
```

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(166, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 232, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 59.1480, 71.6464, 87.0556 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(166, 232, 232) }
```



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

```
.border{ border-color:rgb(166, 232, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 232, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 232, 232);  
box-shadow:4px 4px 4px 4px rgb(166, 232,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.1480, 71.6464, 87.0556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 232, 232) }
```

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

```
.background{ background-color: rgb(166,  
232, 232) }
```

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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