

Converting Colors

XYZ(51.0731, 61.1358, 87.1282)

Have a look what the booklet for
XYZ(51.0731, 61.1358, 87.1282)
contains.

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Color

**XYZ(50.9087, 60.9815,
86.9293)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 90D8EA |
| RGB | 144, 216, 234 |
| RGB Percent | 56%, 85%, 92% |
| CMY | 0.4353, 0.1529, 0.0823 |
| CMYK | 0.38, 0.08, 0.00, 0.08 |
| HSL | 192°, 68%, 74% |
| HSV | 192°, 38%, 92% |
| XYZ | 50.9087, 60.9815, 86.9293 |
| YIQ | 196.5240, -48.6900, -9.6660 |

Conversions

Conversions Part 2

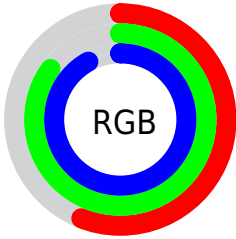
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 144, 184, 234 |
| Decimal | 9492714 |
| CIELab | 82.37, -17.95, -15.94 |
| CIELCh | 82, 24.000, 221.606 |
| Yxy | 60.9815, 0.2561, 0.3067 |
| Android (android.graphics.Color) | 4287682794 (0xFF90D8EA) |
| YUV | 196.5240, 18.4757, -46.0635 |
| Hunter-Lab | 78.0907, -20.2913, -11.3372 |

Details

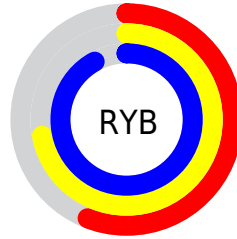
The XYZ color **50.9087, 60.9815, 86.9293** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.8870, 45.3475, 32.4053**, and the grayscale version is **52.6989, 55.4434, 60.3778**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **24.8053, 30.7788, 46.7530** is the 20% darker color. If you saturate the color by 10%, you get **46.0561, 56.7268, 86.3649**, and if you desaturate by 10%, it is **56.6462, 65.7460, 87.5476**.

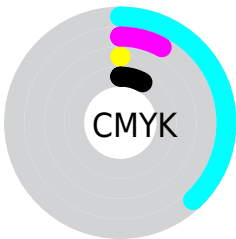
Distribution



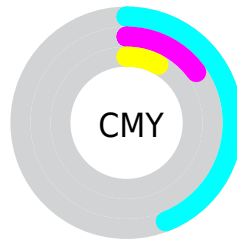
- Red (56%)
- Green (85%)
- Blue (92%)



- Red (56%)
- Yellow (72%)
- Blue (92%)



- Cyan (38%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)



- Cyan (44%)
- Magenta (15%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9087, 60.9815, 86.9293 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 50.9087, 60.9815, 86.9293 by changing the saturation by 10% instead.

■ 50.9087, 60.9815,
86.9293

■ 50.9087, 60.9815,
86.9293

380.6025,
428.2062, 538.3007

■ 36.3567, 44.2102,
64.8774

■ 90.7036, 106.2521,
144.9636

■ 24.8812, 30.8358,
46.9110

■ 116.6772,
135.5203, 181.7831

■ 16.1168, 20.4739,
32.6114

147.1887,
169.7229, 224.3622

■ 9.6982, 12.7400,
21.5603

182.6035,
209.2444, 273.1194

■ 5.2601, 7.2497,
13.3389

223.2869,
254.4690, 328.4733

■ 2.4370, 3.6188,
7.5289

269.6043,

■ 0.8636, 1.4627,

305.7813, 390.8425

3.7116

321.9211,
363.5655, 460.6454

■ 0.0000, 0.2622,
1.4685

■ 0.0000, 0.0000,
0.1943

■ 50.9087, 60.9815,
86.9293

■ 50.9087, 60.9815,
86.9293

■ 46.0561, 56.7268,
86.3649

■ 56.6462, 65.7460,
87.5476

■ 42.0298, 52.9468,
85.8475

■ 63.3115, 71.0384,
88.2178

■ 38.7728, 49.6134,
85.3757

■ 70.9513, 76.8847,
88.9436

■ 36.2180, 46.6913,
84.9464

■ 79.6074, 83.3068,
89.7270

■ 34.2866, 44.1396,
84.5556

■ 87.0756, 89.1689,
90.4649

■ 32.8641, 41.8989,
84.1981

■ 88.4665, 91.9507,
90.9285

■ 32.6656, 41.5687,
84.1448

■ 89.8932, 94.8040,
91.4040

■ 91.3558, 97.7293,
91.8916

■ 91.8515, 98.7206,
92.0568

Harmonies

Analogous

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



48.8446, 60.9815, 72.2324



50.9087, 60.9815, 86.9293



54.9105, 60.9815, 96.8989

Triad

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



50.9087, 60.9815, 86.9293



67.8113, 60.9815, 75.6963



56.0034, 60.9815, 42.4374

Complementary

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



50.9087, 60.9815, 86.9293



51.8870, 45.3475, 32.4053

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.



61.1227, 60.9815, 43.0815



50.9087, 60.9815, 86.9293



68.1468, 60.9815, 60.8875

Square

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



50.9087, 60.9815, 86.9293



64.7452, 60.9815, 89.7843



65.6364, 60.9815, 49.3851



51.6682, 60.9815, 47.4730

Rectangle

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



50.9087, 60.9815, 86.9293



58.2374, 60.9815, 98.7491



65.6364, 60.9815, 49.3851



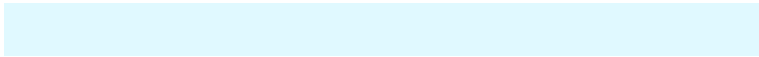
57.6857, 60.9815, 42.0193

Sweetspot

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



50.9106, 60.9839, 86.9307



82.7534, 90.8089, 107.7740



47.3148, 67.3318, 43.9916



17.4493, 19.2358, 23.0432



0.0000, 0.0000, 0.0000



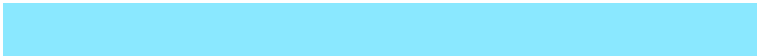
20.3446, 21.4041, 23.3091

Same Dimension

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



50.9106, 60.9839, 86.9307



57.2097, 70.0537, 105.1142



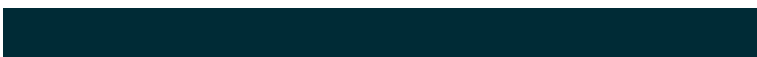
41.2022, 41.5671, 83.6946



15.2470, 16.5803, 19.3190



18.4472, 23.5414, 47.3146



1.5134, 1.9784, 3.7370

Inverse Universe

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



56.3011, 42.3984, 70.1846



64.7861, 45.1512, 81.3041



60.9181, 63.4097, 35.4156



15.5782, 15.2591, 18.3301



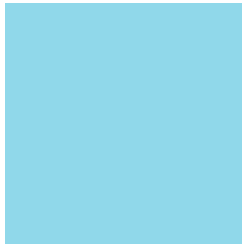
24.1666, 11.8693, 27.7423



1.9304, 0.9451, 2.3509

Previews

White Background



This preview shows how the XYZ color 50.9087, 60.9815, 86.9293 looks on a white background.

Color Contrast Check

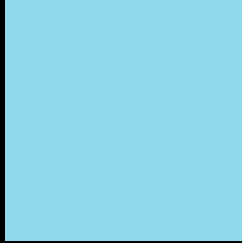
Large Text (above 18pt) WCAG AA × Fail

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 50.9087, 60.9815, 86.9293 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 50.9087, 60.9815, 86.9293

Background



This preview shows how black text looks on a background with the XYZ color 50.9087, 60.9815, 86.9293.



This preview shows how white text looks on a background with the XYZ color 50.9087, 60.9815,

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

50.9087, 60.9815, 86.9293

Protanopia

59.0339, 60.5656, 79.8131

Deuteranopia

61.8685, 60.4298, 89.2922



Tritanopia

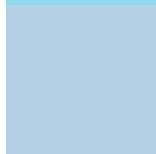
50.7654, 60.9242, 86.1747

Trichromacy



Original Color

50.9087, 60.9815, 86.9293



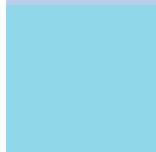
Protanomaly

55.3819, 60.4165, 82.1414



Deuteranomaly

57.1250, 60.0914, 88.7087



Tritanomaly

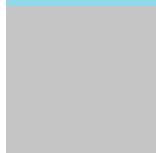
50.7654, 60.9242, 86.1747

Monochromacy



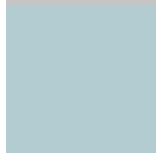
Original Color

50.9087, 60.9815, 86.9293



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

51.5858, 57.3039, 69.3147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9087, 60.9815, 86.9293 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(144, 216, 234)` looks like.

```
.text, #text, p{  
    color:rgb(144, 216, 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(144, 216, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 216, 234) }
```

Border

The CSS property to change the border of an element to XYZ 50.9087, 60.9815, 86.9293 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(144, 216, 234) }
```


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

```
.border{ border-color:rgb(144, 216, 234) }
```

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

Here you see how a box with a 4 pixel rgb(144, 216, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 216, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 216, 234);  
box-shadow:4px 4px 4px 4px rgb(144, 216,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9087, 60.9815, 86.9293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 216, 234) }
```

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

```
.background{ background-color: rgb(144,  
216, 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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