

Converting Colors

XYZ(50.4463, 59.0517, 84.3480)

Have a look what the booklet for
XYZ(50.4463, 59.0517, 84.3480)
contains.

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Color

**XYZ(50.2957, 58.8421,
84.3081)**

Conversions

Conversions Part 1

Format	Color
Hex	96D3E7
RGB	150, 211, 231
RGB Percent	59%, 83%, 91%
CMY	0.4118, 0.1725, 0.0941
CMYK	0.35, 0.09, 0.00, 0.09
HSL	195°, 63%, 75%
HSV	195°, 35%, 91%
XYZ	50.2957, 58.8421, 84.3081
YIQ	195.0410, -42.7760, -6.7120

Conversions

Conversions Part 2

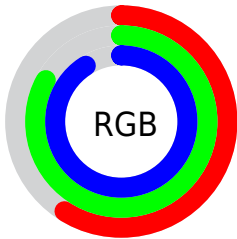
Format	Color
RYB	150, 185, 231
Decimal	9884647
CIELab	81.20, -14.56, -16.06
CIELCh	81, 21.680, 227.795
Yxy	58.8421, 0.2600, 0.3042
Android (android.graphics.Color)	4288074727 (0xFF96D3E7)
YUV	195.0410, 17.7278, -39.5010
Hunter-Lab	76.7086, -17.2026, -11.4678

Details

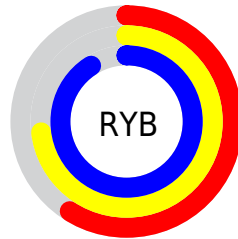
The XYZ color **50.2957, 58.8421, 84.3081** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.8356, 47.9409, 35.3243**, and the grayscale version is **51.8136, 54.5120, 59.3635**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **24.3456, 29.3050, 44.9307** is the 20% darker color. If you saturate the color by 10%, you get **45.0653, 54.0809, 83.6658**, and if you desaturate by 10%, it is **56.4178, 64.1404, 85.0091**.

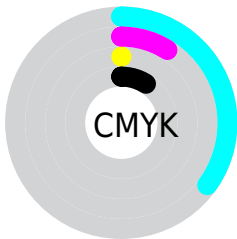
Distribution



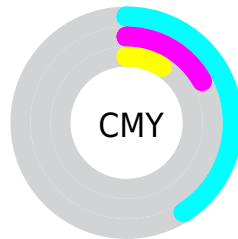
- Red (59%)
- Green (83%)
- Blue (91%)



- Red (59%)
- Yellow (73%)
- Blue (91%)



- Cyan (35%)
- Magenta (9%)
- Yellow (0%)
- Black (9%)



- Cyan (41%)
- Magenta (17%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2957, 58.8421, 84.3081 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 50.2957, 58.8421, 84.3081 by changing the saturation by 10% instead.

■ 50.2957, 58.8421,
84.3081

■ 50.2957, 58.8421,
84.3081

378.2541,
420.3165, 529.4206

■ 35.8672, 42.4860,
62.7230

■ 89.8020, 103.1481,
141.2716

■ 24.5013, 29.4820,
45.1776

■ 115.6106,
131.8669, 177.4872

■ 15.8326, 19.4458,
31.2534

145.9431,
165.4753, 219.4165

■ 9.4959, 11.9928,
20.5318

181.1651,
204.3578, 267.4783

■ 5.1257, 6.7388,
12.5943

221.6418,
248.8988, 322.0911

■ 2.3567, 3.2993,
7.0223

267.7387,

■ 0.8235, 1.2899,

299.4827, 383.6734

3.3974

319.8210,
356.4938, 452.6437

■ 0.0000, 0.1334,
1.3010

■ 0.0000, 0.0000,
0.0626

■ 50.2957, 58.8421,
84.3081

■ 50.2957, 58.8421,
84.3081

■ 45.0653, 54.0809,
83.6658

■ 56.4178, 64.1404,
85.0091

■ 40.6713, 49.8233,
83.0756

■ 63.4723, 69.9934,
85.7670

■ 37.0602, 46.0425,
82.5361

■ 71.5034, 76.4260,
86.5854

■ 34.1700, 42.7055,
82.0444

■ 80.5513, 83.4596,
87.4661

■ 31.9285, 39.7745,
81.5968

■ 86.6828, 89.0673,
88.2253

■ 30.2471, 37.2030,
81.1890

■ 88.3838, 92.4693,
88.7923

■ 29.5543, 36.0301,
80.9992

■ 90.1380, 95.9777,
89.3771

■ 91.4240, 98.5496,
89.8057

Harmonies

Analogous

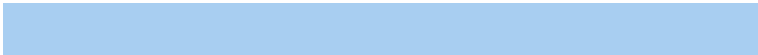
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.0618, 58.8421, 71.9720



50.2957, 58.8421, 84.3081



54.1122, 58.8421, 91.5732

Triad

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



50.2957, 58.8421, 84.3081



64.8496, 58.8421, 69.4708



53.3162, 58.8421, 43.1909

Complementary

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



50.2957, 58.8421, 84.3081



52.8356, 47.9409, 35.3243

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.



57.7833, 58.8421, 42.7102



50.2957, 58.8421, 84.3081



64.6081, 58.8421, 56.7669

Square

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



50.2957, 58.8421, 84.3081



62.6083, 58.8421, 82.2661



61.9651, 58.8421, 47.3597



49.7400, 58.8421, 48.7752

Rectangle

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



50.2957, 58.8421, 84.3081



57.1134, 58.8421, 91.9955



61.9651, 58.8421, 47.3597



54.7584, 58.8421, 42.4571

Sweetspot

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



50.2975, 58.8444, 84.3095



83.3032, 90.7236, 107.7286



48.3069, 66.4978, 47.7776



17.5432, 19.1873, 23.0289



0.0000, 0.0000, 0.0000



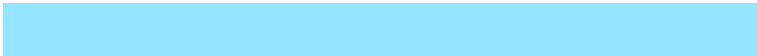
20.3446, 21.4041, 23.3091

Same Dimension

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



50.2975, 58.8444, 84.3095



58.1419, 69.3011, 104.9198



41.6793, 41.6080, 81.4367



14.4903, 15.7019, 18.4114



16.6709, 20.4039, 45.4429



1.3038, 1.6515, 3.3820

Inverse Universe

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



55.6207, 43.5062, 67.0966



65.8955, 48.0410, 79.6056



61.3599, 64.9896, 38.1657



14.8351, 14.5512, 17.3318



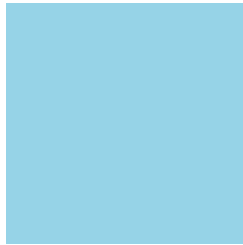
22.8082, 11.2575, 23.6828



1.7217, 0.8464, 1.9411

Previews

White Background



This preview shows how the XYZ color 50.2957, 58.8421, 84.3081 looks on a white background.

Color Contrast Check

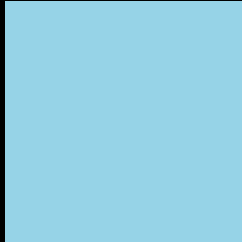
Large Text (above 18pt) WCAG AA × Fail

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 50.2957, 58.8421, 84.3081 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 50.2957, 58.8421, 84.3081

Background



This preview shows how black text looks on a background with the XYZ color 50.2957, 58.8421, 84.3081.



This preview shows how white text looks on a background with the XYZ color 50.2957, 58.8421,

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

50.2957, 58.8421, 84.3081

Protanopia

57.3975, 58.6961, 78.8253

Deuteranopia

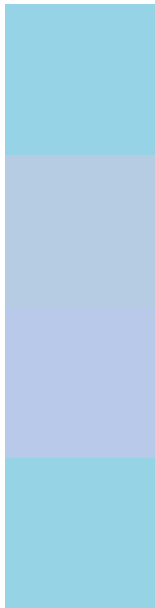
59.7680, 58.3995, 85.9640



Tritanopia

49.6923, 58.5795, 82.0867

Trichromacy



Original Color

50.2957, 58.8421, 84.3081

Protanomaly

54.5140, 58.5555, 81.1022

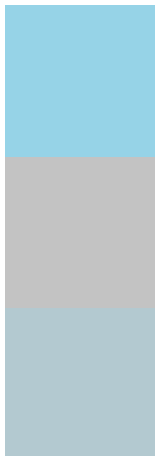
Deuteranomaly

55.6022, 57.9708, 85.3497

Tritanomaly

49.8315, 58.6352, 82.8201

Monochromacy



Original Color

50.2957, 58.8421, 84.3081

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.8622, 55.9111, 67.7857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2957, 58.8421, 84.3081 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(150, 211, 231)` looks like.

```
.text, #text, p{  
    color:rgb(150, 211, 231)  
}
```

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(150, 211, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 211, 231) }
```

Border

The CSS property to change the border of an element to XYZ 50.2957, 58.8421, 84.3081 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(150, 211, 231) }
```


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

```
.border{ border-color:rgb(150, 211, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 211, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 211, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 211, 231);  
box-shadow:4px 4px 4px 4px rgb(150, 211,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2957, 58.8421, 84.3081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 211, 231) }
```

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

```
.background{ background-color: rgb(150,  
211, 231) }
```

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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