

Converting Colors

XYZ(50.2611, 57.7807, 84.7747)

Have a look what the booklet for
XYZ(50.2611, 57.7807, 84.7747)
contains.

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Color

**XYZ(50.2582, 57.7103,
84.8342)**

Conversions

Conversions Part 1

Format	Color
Hex	99D0E8
RGB	153, 208, 232
RGB Percent	60%, 82%, 91%
CMY	0.4000, 0.1843, 0.0902
CMYK	0.34, 0.10, 0.00, 0.09
HSL	198°, 63%, 75%
HSV	198°, 34%, 91%
XYZ	50.2582, 57.7103, 84.8342
YIQ	194.2910, -40.4840, -4.1960

Conversions

Conversions Part 2

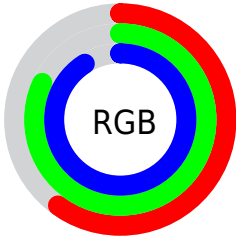
Format	Color
R _{YB}	153, 185, 232
Decimal	10080488
CIE Lab	80.58, -11.96, -17.52
CIE LCh	81, 21.215, 235.681
Yxy	57.7103, 0.2607, 0.2993
Android (android.graphics.Color)	4288270568 (0xFF99D0E8)
YUV	194.2910, 18.5905, -36.2122
Hunter-Lab	75.9673, -14.8513, -13.0332

Details

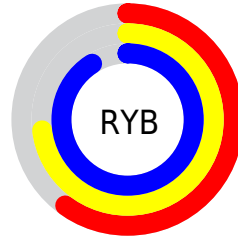
The XYZ color **50.2582, 57.7103, 84.8342** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.7514, 50.9005, 37.0774**, and the grayscale version is **51.3624, 54.0373, 58.8466**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **24.5377, 28.8984, 45.3590** is the 20% darker color. If you saturate the color by 10%, you get **44.6179, 52.3095, 84.0900**, and if you desaturate by 10%, it is **56.8297, 63.7072, 85.6464**.

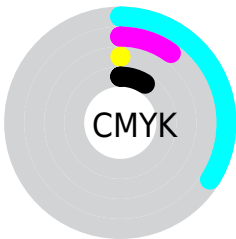
Distribution



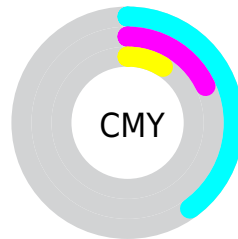
- Red (60%)
- Green (82%)
- Blue (91%)



- Red (60%)
- Yellow (73%)
- Blue (91%)



- Cyan (34%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)



- Cyan (40%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2582, 57.7103, 84.8342 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 50.2582, 57.7103, 84.8342 by changing the saturation by 10% instead.

■ 50.2582, 57.7103,
84.8342

■ 50.2582, 57.7103,
84.8342

378.1101,
416.1056, 531.2096

■ 35.8372, 41.5758,
63.1550

■ 89.7469, 101.5009,
142.0136

■ 24.4780, 28.7693,
45.5248

■ 115.5453,
129.9257, 178.3509

■ 15.8153, 18.9063,
31.5251

145.8668,
163.2161, 220.4114

■ 9.4835, 11.6026,
20.7372

181.0770,
201.7565, 268.6135

■ 5.1175, 6.4737,
12.7427

221.5410,
245.9313, 323.3759

■ 2.3518, 3.1352,
7.1229

267.6243,

■ 0.8210, 1.2027,

296.1248, 385.1169

3.4595

319.6922,
352.7214, 454.2553

■ 0.0000, 0.0639,
1.3338

■ 0.0000, 0.0000,
0.0892

■ 50.2582, 57.7103,
84.8342

■ 50.2582, 57.7103,
84.8342

■ 44.6179, 52.3095,
84.0900

■ 56.8297, 63.7072,
85.6464

■ 39.8530, 47.4706,
83.4071

■ 64.3736, 70.3188,
86.5249

■ 35.9095, 43.1655,
82.7840

■ 72.9349, 77.5711,
87.4735

■ 32.7251, 39.3607,
82.2175

■ 82.5542, 85.4863,
88.4943

■ 30.2275, 36.0173,
81.7037

■ 87.9286, 91.3321,
89.3394

■ 28.3289, 33.0884,
81.2385

■ 90.0812, 95.6373,
90.0569

■ 27.4027, 31.5003,
80.9808

■ 91.5657, 98.6063,
90.5518

Harmonies

Analogous

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



47.6357, 57.7103, 73.8305



50.2582, 57.7103, 84.8342



54.2228, 57.7103, 89.9583

Triad

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



50.2582, 57.7103, 84.8342



63.6467, 57.7103, 64.6629



51.2972, 57.7103, 43.5814

Complementary

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



50.2582, 57.7103, 84.8342



54.7514, 50.9005, 37.0774

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.



55.4859, 57.7103, 41.8007



50.2582, 57.7103, 84.8342



62.7624, 57.7103, 52.9923

Square

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



50.2582, 57.7103, 84.8342



62.0740, 57.7103, 77.3741



59.7173, 57.7103, 45.0141



48.2129, 57.7103, 50.2447

Rectangle

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



50.2582, 57.7103, 84.8342



57.1500, 57.7103, 88.9135



59.7173, 57.7103, 45.0141



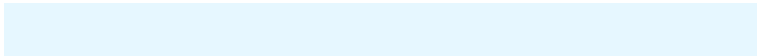
52.6163, 57.7103, 42.4331

Sweetspot

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



50.2600, 57.7126, 84.8355



83.8613, 90.6373, 107.6825



49.9006, 67.6490, 51.8672



17.6357, 19.1326, 23.0134



0.0000, 0.0000, 0.0000



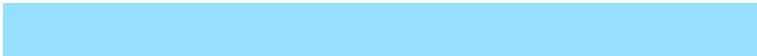
20.3446, 21.4041, 23.3091

Same Dimension

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



50.2600, 57.7126, 84.8355



57.1627, 66.6509, 104.4599



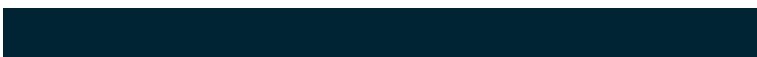
41.8544, 40.9015, 82.0337



14.4186, 15.5585, 18.3875



15.3286, 17.7193, 44.9954



1.2136, 1.4712, 3.3520

Inverse Universe

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



56.0565, 44.4938, 65.3107



65.5701, 48.5573, 75.8990



63.6367, 68.6712, 40.0392



14.7989, 14.5367, 17.1412



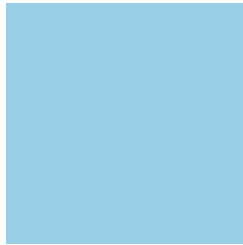
22.1307, 10.9865, 20.1149



1.6762, 0.8282, 1.7014

Previews

White Background



This preview shows how the XYZ color 50.2582, 57.7103, 84.8342 looks on a white background.

Color Contrast Check

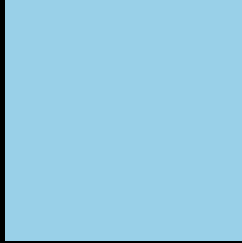
Large Text (above 18pt) WCAG AA × Fail

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 50.2582, 57.7103, 84.8342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

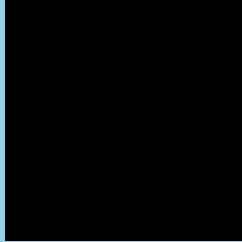
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2582, 57.7103, 84.8342

Background



This preview shows how black text looks on a background with the XYZ color 50.2582, 57.7103, 84.8342.



This preview shows how white text looks on a background with the XYZ color 50.2582, 57.7103,

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

50.2582, 57.7103, 84.8342

Protanopia

56.2904, 57.4265, 79.3518

Deuteranopia

58.5979, 57.4459, 86.5970



Tritanopia

49.4768, 57.7673, 80.4940

Trichromacy



Original Color

50.2582, 57.7103, 84.8342

Protanomaly

53.9465, 57.5458, 81.6630

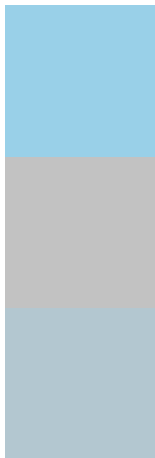
Deuteranomaly

55.2727, 57.4394, 86.0156

Tritanomaly

49.7529, 57.8778, 81.9481

Monochromacy



Original Color

50.2582, 57.7103, 84.8342

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.3990, 54.9846, 67.6313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2582, 57.7103, 84.8342 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(153, 208, 232)` looks like.

```
.text, #text, p{  
    color:rgb(153, 208, 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(153, 208, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 208, 232) }
```

Border

The CSS property to change the border of an element to XYZ 50.2582, 57.7103, 84.8342 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(153, 208, 232) }
```


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

```
.border{ border-color:rgb(153, 208, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 208, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 208, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 208, 232);  
box-shadow:4px 4px 4px 4px rgb(153, 208,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2582, 57.7103, 84.8342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 208, 232) }
```

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

```
.background{ background-color: rgb(153,  
208, 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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