

Converting Colors

XYZ(50.2174, 57.2633, 87.7640)

Have a look what the booklet for
XYZ(50.2174, 57.2633, 87.7640)
contains.

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Color

**XYZ(50.2156, 57.2611,
87.7627)**

Conversions

Conversions Part 1

Format	Color
Hex	97CFEC
RGB	151, 207, 236
RGB Percent	59%, 81%, 93%
CMY	0.4078, 0.1882, 0.0745
CMYK	0.36, 0.12, 0.00, 0.07
HSL	200°, 69%, 76%
HSV	200°, 36%, 93%
XYZ	50.2156, 57.2611, 87.7627
YIQ	193.5620, -42.6850, -2.8530

Conversions

Conversions Part 2

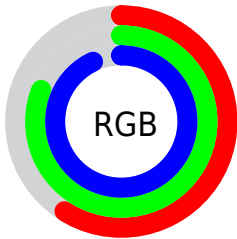
Format	Color
RYB	151, 185, 236
Decimal	9949164
CIELab	80.33, -10.99, -20.05
CIELCh	80, 22.865, 241.265
Yxy	57.2611, 0.2572, 0.2933
Android (android.graphics.Color)	4288139244 (0xFF97CFEC)
YUV	193.5620, 20.9219, -37.3269
Hunter-Lab	75.6711, -13.9711, -15.7943

Details

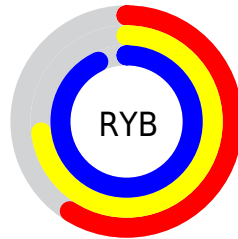
The XYZ color **50.2156, 57.2611, 87.7627** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.5001, 52.7104, 36.4759**, and the grayscale version is **50.9194, 53.5712, 58.3390**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **24.4533, 28.5645, 47.4047** is the 20% darker color. If you saturate the color by 10%, you get **44.3656, 51.4243, 86.9454**, and if you desaturate by 10%, it is **57.0453, 63.7533, 88.6569**.

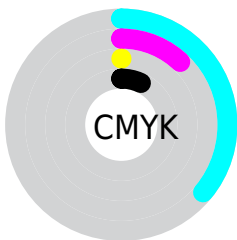
Distribution



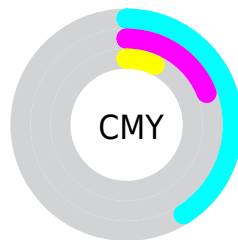
- Red (59%)
- Green (81%)
- Blue (93%)



- Red (59%)
- Yellow (73%)
- Blue (93%)



- Cyan (36%)
- Magenta (12%)
- Yellow (0%)
- Black (7%)



- Cyan (41%)
- Magenta (19%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2156, 57.2611, 87.7627 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 50.2156, 57.2611, 87.7627 by changing the saturation by 10% instead.

■ 50.2156, 57.2611,
87.7627

■ 50.2156, 57.2611,
87.7627

377.9465,
414.4270, 541.1070

■ 35.8032, 41.2149,
65.5633

■ 89.6841, 100.8461,
146.1350

■ 24.4517, 28.4870,
47.4638

■ 115.4710,
129.1536, 183.1450

■ 15.7956, 18.6931,
33.0455

145.7802,
162.3171, 225.9289

■ 9.4695, 11.4487,
21.8899

180.9769,
200.7209, 274.9054

■ 5.1082, 6.3695,
13.5785

221.4265,
244.7494, 330.4929

■ 2.3463, 3.0711,
7.6927

267.4944,

■ 0.8182, 1.1689,

294.7869, 393.1099

3.8140

319.5460,
351.2180, 463.1751

■ 0.0000, 0.0361,
1.5239

■ 0.0000, 0.0000,
0.2356

■ 50.2156, 57.2611,
87.7627

■ 50.2156, 57.2611,
87.7627

■ 44.3656, 51.4243,
86.9454

■ 57.0453, 63.7533,
88.6569

■ 39.4359, 46.2060,
86.1980

■ 64.8991, 70.9219,
89.6266

■ 35.3685, 41.5756,
85.5186

■ 73.8247, 78.7950,
90.6758

■ 32.0961, 37.4960,
84.9037

■ 83.8655, 87.3969,
91.8069

■ 29.5403, 33.9245,
84.3490

■ 89.7209, 93.9971,
92.7723

■ 27.6041, 30.8087,
83.8496

■ 92.1405, 98.8362,
93.5788

■ 26.9433, 29.6617,
83.6631

Harmonies

Analogous

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



47.0953, 57.2611, 76.6897



50.2156, 57.2611, 87.7627



54.6236, 57.2611, 91.7983

Triad

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



50.2156, 57.2611, 87.7627



63.9182, 57.2611, 61.7811



49.8906, 57.2611, 42.8250

Complementary

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



50.2156, 57.2611, 87.7627



56.5001, 52.7104, 36.4759

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.



54.2268, 57.2611, 39.9839



50.2156, 57.2611, 87.7627



62.4781, 57.2611, 49.9153

Square

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



50.2156, 57.2611, 87.7627



62.6959, 57.2611, 75.5653



58.8632, 57.2611, 42.3841



46.9154, 57.2611, 50.7688

Rectangle

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



50.2156, 57.2611, 87.7627



57.7515, 57.2611, 89.5558



58.8632, 57.2611, 42.3841



51.2287, 57.2611, 41.2972

Sweetspot

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



50.2174, 57.2633, 87.7640



82.4956, 89.1084, 107.4594



50.9297, 69.8396, 53.6223



17.3501, 18.8011, 22.9645



0.0000, 0.0000, 0.0000



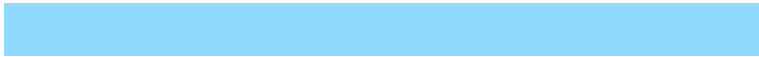
20.3446, 21.4041, 23.3091

Same Dimension

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



50.2174, 57.2633, 87.7640



54.7546, 63.2032, 103.9213



41.3894, 39.6074, 84.8214



15.0599, 16.2062, 19.2566



14.9763, 16.5996, 46.1577



1.2647, 1.4808, 3.6540

Inverse Universe

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



56.9226, 44.4726, 64.6179



64.0206, 46.6586, 71.6821



66.2561, 72.2225, 39.7279



15.4838, 15.2214, 17.8329



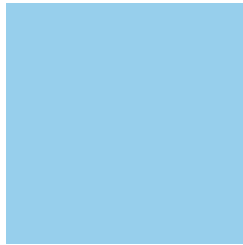
22.4146, 11.1685, 18.5166



1.8048, 0.8949, 1.6897

Previews

White Background



This preview shows how the XYZ color 50.2156, 57.2611, 87.7627 looks on a white background.

Color Contrast Check

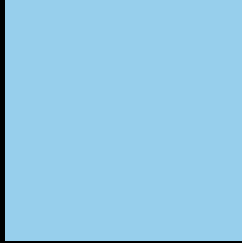
Large Text (above 18pt) WCAG AA × Fail

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 50.2156, 57.2611, 87.7627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

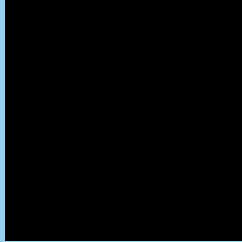
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2156, 57.2611, 87.7627

Background



This preview shows how black text looks on a background with the XYZ color 50.2156, 57.2611, 87.7627.



This preview shows how white text looks on a background with the XYZ color 50.2156, 57.2611,

87.7627.

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

50.2156, 57.2611, 87.7627

Protanopia

56.1014, 56.9271, 82.1599

Deuteranopia

58.1605, 56.8213, 89.5636



Tritanopia

48.7407, 57.3878, 80.4596

Trichromacy



Original Color

50.2156, 57.2611, 87.7627

Protanomaly

53.8122, 57.0645, 84.5223

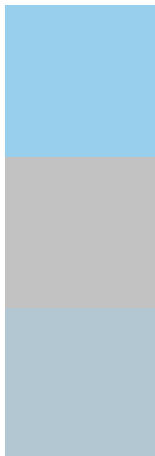
Deuteranomaly

54.9121, 56.8437, 88.9667

Tritanomaly

49.2332, 57.2145, 83.3115

Monochromacy



Original Color

50.2156, 57.2611, 87.7627

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.2921, 54.9153, 68.2706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2156, 57.2611, 87.7627 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(151, 207, 236)` looks like.

```
.text, #text, p{  
    color:rgb(151, 207, 236)  
}
```

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(151, 207, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 207, 236) }
```

Border

The CSS property to change the border of an element to XYZ 50.2156, 57.2611, 87.7627 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(151, 207, 236) }
```


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

```
.border{ border-color:rgb(151, 207, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 207, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 207, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 207, 236); box-shadow:4px 4px 4px 4px rgb(151, 207, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2156, 57.2611, 87.7627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 207, 236) }
```

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

```
.background{ background-color: rgb(151,  
207, 236) }
```

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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