

Converting Colors

XYZ(52.4826, 57.7719, 87.6327)

Have a look what the booklet for
XYZ(52.4826, 57.7719, 87.6327)
contains.

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Color

**XYZ(52.4887, 57.7181,
87.7311)**

Conversions

Conversions Part 1

Format	Color
Hex	A5CDEC
RGB	165, 205, 236
RGB Percent	65%, 80%, 93%
CMY	0.3529, 0.1961, 0.0745
CMYK	0.30, 0.13, 0.00, 0.07
HSL	206°, 65%, 79%
HSV	206°, 30%, 93%
XYZ	52.4887, 57.7181, 87.7311
YIQ	196.5740, -33.7910, 1.1610

Conversions

Conversions Part 2

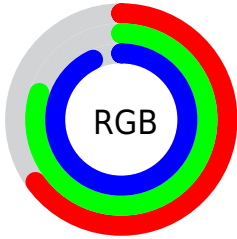
Format	Color
RYB	165, 191, 236
Decimal	10866156
CIELab	80.58, -6.09, -19.59
CIElCh	81, 20.509, 252.741
Yxy	57.7181, 0.2652, 0.2916
Android (android.graphics.Color)	4289056236 (0xFFA5CDEC)
YUV	196.5740, 19.4370, -27.6904
Hunter-Lab	75.9724, -9.6276, -15.2859

Details

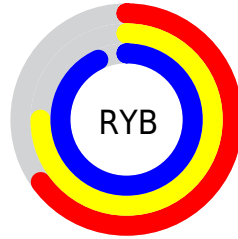
The XYZ color **52.4887, 57.7181, 87.7311** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.1244, 60.0300, 43.9642**, and the grayscale version is **52.7169, 55.4623, 60.3984**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **25.8604, 28.8080, 47.3775** is the 20% darker color. If you saturate the color by 10%, you get **45.6417, 50.6503, 86.7287**, and if you desaturate by 10%, it is **60.4074, 65.5820, 88.8326**.

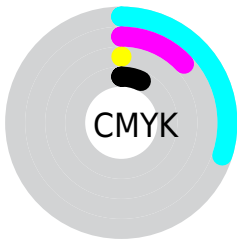
Distribution



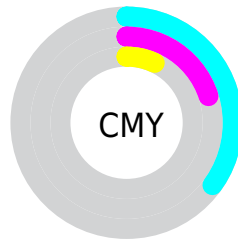
- Red (65%)
- Green (80%)
- Blue (93%)



- Red (65%)
- Yellow (75%)
- Blue (93%)



- Cyan (30%)
- Magenta (13%)
- Yellow (0%)
- Black (7%)



- Cyan (35%)
- Magenta (20%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4887, 57.7181, 87.7311 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 52.4887, 57.7181, 87.7311 by changing the saturation by 10% instead.

■ 52.4887, 57.7181,
87.7311

■ 52.4887, 57.7181,
87.7311

386.6134,
416.1347, 541.0007

■ 37.6206, 41.5821,
65.5373

■ 93.0215, 101.5122,
146.0906

■ 25.8642, 28.7742,
47.4428

■ 119.4170,
129.9391, 183.0934

■ 16.8542, 18.9101,
33.0290

150.3856,
163.2317, 225.8696

■ 10.2253, 11.6053,
21.8774

186.2927,
201.7745, 274.8377

■ 5.6120, 6.4755,
13.5694

227.5037,
245.9518, 330.4164

■ 2.6490, 3.1363,
7.6864

274.3839,

■ 0.9710, 1.2033,

296.1480, 393.0241

3.8101

327.2987,
352.7475, 463.0793

■ 0.0000, 0.0644,
1.5218

■ 0.0000, 0.0000,
0.2340

■ 52.4887, 57.7181,
87.7311

■ 52.4887, 57.7181,
87.7311

■ 45.6417, 50.6503,
86.7287

■ 60.4074, 65.5820,
88.8326

■ 39.8080, 44.3399,
85.8182

■ 69.4414, 74.2651,
90.0325

■ 34.9314, 38.7546,
84.9971

■ 79.6384, 83.7975,
91.3350

■ 30.9477, 33.8563,
84.2616

■ 89.4028, 93.3609,
92.6662

■ 27.7838, 29.6023,
83.6073

■ 92.1405, 98.8362,
93.5788

■ 25.3529, 25.9427,
83.0290

■ 23.5231, 22.8215,
82.5230

Harmonies

Analogous

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



49.1174, 57.7181, 79.9590



52.4887, 57.7181, 87.7311



56.6670, 57.7181, 88.3243

Triad

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



52.4887, 57.7181, 87.7311



63.1539, 57.7181, 57.8618



49.5384, 57.7181, 47.2872

Complementary

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



52.4887, 57.7181, 87.7311



61.1244, 60.0300, 43.9642

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.



53.0905, 57.7181, 42.8079



52.4887, 57.7181, 87.7311



61.0322, 57.7181, 48.3661

Square

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



52.4887, 57.7181, 87.7311



62.9723, 57.7181, 69.9895



57.3003, 57.7181, 43.1758



47.4749, 57.7181, 56.2044

Rectangle

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



52.4887, 57.7181, 87.7311



59.3624, 57.7181, 84.4702



57.3003, 57.7181, 43.1758



50.5899, 57.7181, 45.2670

Sweetspot

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



52.4905, 57.7204, 87.7324



83.9913, 89.6770, 107.4903



55.4511, 71.9663, 63.0552



17.6180, 18.8542, 22.9606



0.0000, 0.0000, 0.0000



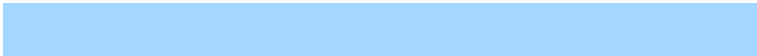
20.3446, 21.4041, 23.3091

Same Dimension

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



52.4905, 57.7204, 87.7324



57.4755, 63.5881, 103.8522



44.9836, 42.7067, 85.2301



14.9354, 15.9571, 19.2151



13.0974, 12.8419, 45.5314



1.1239, 1.1993, 3.6071

Inverse Universe

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



59.0681, 49.1525, 64.1342



66.6283, 52.4277, 70.8443



70.0353, 77.8518, 46.9345



15.4209, 15.1962, 17.5019



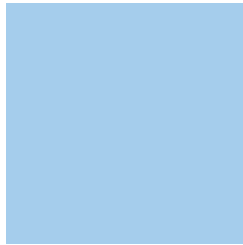
21.4663, 10.7892, 13.5226



1.7338, 0.8665, 1.3156

Previews

White Background



This preview shows how the XYZ color 52.4887, 57.7181, 87.7311 looks on a white background.

Color Contrast Check

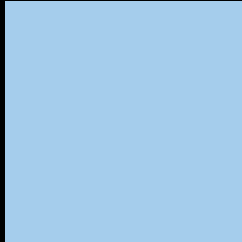
Large Text (above 18pt) WCAG AA × Fail

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 52.4887, 57.7181, 87.7311 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

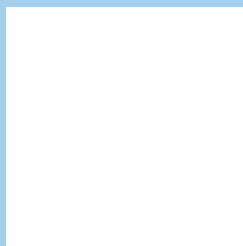
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.4887, 57.7181, 87.7311

Background



This preview shows how black text looks on a background with the XYZ color 52.4887, 57.7181, 87.7311.



This preview shows how white text looks on a background with the XYZ color 52.4887, 57.7181, 87.7311.

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

52.4887, 57.7181, 87.7311

Protanopia

56.6102, 57.4951, 83.7153

Deuteranopia

58.7671, 57.4826, 88.8868



Tritanopia

50.6677, 57.6888, 78.9856

Trichromacy



Original Color

52.4887, 57.7181, 87.7311

Protanomaly

55.1231, 57.7238, 85.3273

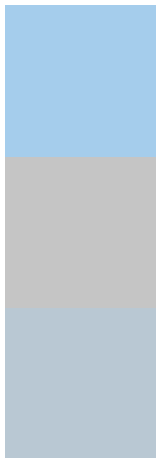
Deuteranomaly

56.2030, 57.5261, 88.2622

Tritanomaly

51.1792, 57.5306, 81.8059

Monochromacy



Original Color

52.4887, 57.7181, 87.7311

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

52.4197, 56.3260, 69.7372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4887, 57.7181, 87.7311 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(165, 205, 236)` looks like.

```
.text, #text, p{  
    color:rgb(165, 205, 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(165, 205, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 205, 236) }
```

Border

The CSS property to change the border of an element to XYZ 52.4887, 57.7181, 87.7311 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(165, 205, 236) }
```


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

```
.border{ border-color:rgb(165, 205, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 205, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 205, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 205, 236);  
box-shadow:4px 4px 4px 4px rgb(165, 205,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4887, 57.7181, 87.7311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 205, 236) }
```

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

```
.background{ background-color: rgb(165,  
205, 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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