

Converting Colors

XYZ(51.3631, 57.1595, 84.7069)

Have a look what the booklet for
XYZ(51.3631, 57.1595, 84.7069)
contains.

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Color

**XYZ(51.2971, 57.1702,
84.6752)**

Conversions

Conversions Part 1

Format	Color
Hex	A2CDE8
RGB	162, 205, 232
RGB Percent	64%, 80%, 91%
CMY	0.3647, 0.1961, 0.0902
CMYK	0.30, 0.12, 0.00, 0.09
HSL	203°, 60%, 77%
HSV	203°, 30%, 91%
XYZ	51.2971, 57.1702, 84.6752
YIQ	195.2210, -34.2950, -0.7190

Conversions

Conversions Part 2

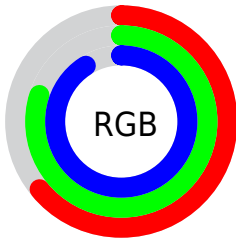
Format	Color
R_{YB}	162, 189, 232
Decimal	10669544
CIE _{Lab}	80.28, -7.89, -17.93
CIE _{LCh}	80, 19.588, 246.242
Yxy	57.1702, 0.2656, 0.2960
Android (android.graphics.Color)	4288859624 (0xFFA2CDE8)
YUV	195.2210, 18.1320, -29.1348
Hunter-Lab	75.6110, -11.2186, -13.4700

Details

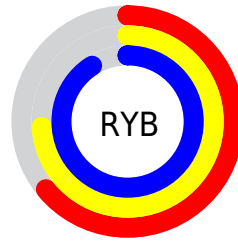
The XYZ color **51.2971, 57.1702, 84.6752** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.9987, 56.1603, 41.9671**, and the grayscale version is **51.9148, 54.6184, 59.4795**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **25.0874, 28.4560, 45.2446** is the 20% darker color. If you saturate the color by 10%, you get **44.9328, 50.8033, 83.7827**, and if you desaturate by 10%, it is **58.6567, 64.2346, 85.6519**.

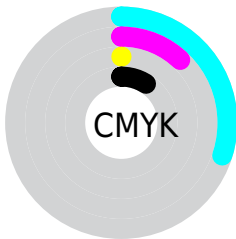
Distribution



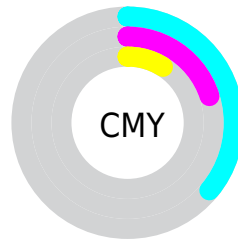
- Red (64%)
- Green (80%)
- Blue (91%)



- Red (64%)
- Yellow (74%)
- Blue (91%)



- Cyan (30%)
- Magenta (12%)
- Yellow (0%)
- Black (9%)



- Cyan (36%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2971, 57.1702, 84.6752 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 51.2971, 57.1702, 84.6752 by changing the saturation by 10% instead.

■ 51.2971, 57.1702,
84.6752

■ 51.2971, 57.1702,
84.6752

382.0857,
414.0868, 530.6692

■ 36.6671, 41.1419,
63.0244

■ 91.2742, 100.7135,
141.7894

■ 25.1223, 28.4300,
45.4199

■ 117.3520,
128.9973, 178.0900

■ 16.2974, 18.6500,
31.4429

147.9764,
162.1350, 220.1108

■ 9.8271, 11.4177,
20.6751

183.5128,
200.5111, 268.2706

■ 5.3458, 6.3485,
12.6978

224.3266,
244.5099, 322.9878

■ 2.4884, 3.0581,
7.0925

270.7831,

■ 0.8894, 1.1622,

294.5159, 384.6809

3.4407

323.2477,
350.9134, 453.7686

■ 0.0000, 0.0305,
1.3238

■ 0.0000, 0.0000,
0.0812

■ 51.2971, 57.1702,
84.6752

■ 51.2971, 57.1702,
84.6752

■ 44.9328, 50.8033,
83.7827

■ 58.6567, 64.2346,
85.6519

■ 39.5087, 45.0985,
82.9674

■ 67.0526, 72.0166,
86.7114

■ 34.9719, 40.0268,
82.2276

■ 76.5297, 80.5435,
87.8578

■ 31.2617, 35.5537,
81.5597

■ 87.1284, 89.8389,
89.0933

■ 28.3091, 31.6403,
80.9600

■ 89.9118, 95.2985,
90.0005

■ 26.0320, 28.2411,
80.4239

■ 91.5657, 98.6063,
90.5518

■ 24.3164, 25.3277,
79.9520

Harmonies

Analogous

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



48.3658, 57.1702, 76.2070



51.2971, 57.1702, 84.6752



55.1795, 57.1702, 86.8255

Triad

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



51.2971, 57.1702, 84.6752



62.3522, 57.1702, 59.8832



49.9152, 57.1702, 46.1129

Complementary

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



51.2971, 57.1702, 84.6752



57.9987, 56.1603, 41.9671

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.



53.5062, 57.1702, 42.8113



51.2971, 57.1702, 84.6752



60.7839, 57.1702, 50.1081

Square

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



51.2971, 57.1702, 84.6752



61.6899, 57.1702, 71.5557



57.4979, 57.1702, 44.1790



47.5958, 57.1702, 53.7858

Rectangle

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



51.2971, 57.1702, 84.6752



57.8124, 57.1702, 84.1805



57.4979, 57.1702, 44.1790



51.0067, 57.1702, 44.5009

Sweetspot

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



51.2989, 57.1725, 84.6765



84.3459, 90.3861, 107.6085



52.9254, 69.0627, 58.5917



17.7055, 19.0290, 22.9897



0.0000, 0.0000, 0.0000



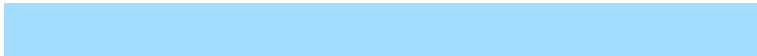
20.3446, 21.4041, 23.3091

Same Dimension

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



51.2989, 57.1725, 84.6765



58.6820, 66.0011, 104.2544



43.8732, 42.3211, 82.2013



14.3162, 15.3539, 18.3534



13.6249, 14.3119, 44.4275



1.0962, 1.2363, 3.3128

Inverse Universe

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



57.2199, 47.4058, 63.8944



67.2373, 52.6713, 74.0512



66.4123, 72.9873, 44.7716



14.7472, 14.5161, 16.8692



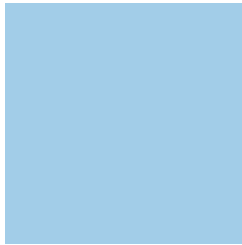
21.2707, 10.6425, 15.5866



1.6169, 0.8045, 1.3893

Previews

White Background



This preview shows how the XYZ color 51.2971, 57.1702, 84.6752 looks on a white background.

Color Contrast Check

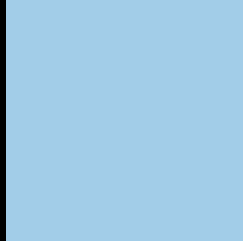
Large Text (above 18pt) WCAG AA × Fail

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 51.2971, 57.1702, 84.6752 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 51.2971, 57.1702, 84.6752

Background



This preview shows how black text looks on a background with the XYZ color 51.2971, 57.1702, 84.6752.



This preview shows how white text looks on a background with the XYZ color 51.2971, 57.1702,

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

51.2971, 57.1702, 84.6752

Protanopia

56.0795, 56.9479, 80.7094

Deuteranopia

58.2305, 56.9416, 85.7637



Tritanopia

49.8878, 56.9439, 78.1739

Trichromacy



Original Color

51.2971, 57.1702, 84.6752

Protanomaly

54.0885, 56.9108, 82.2628

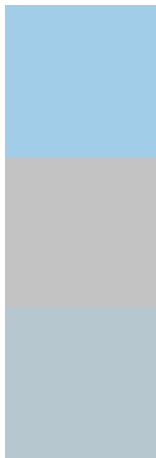
Deuteranomaly

55.3956, 56.8362, 85.1416

Tritanomaly

50.4967, 57.2107, 80.3328

Monochromacy



Original Color

51.2971, 57.1702, 84.6752

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.3370, 55.4682, 67.6752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2971, 57.1702, 84.6752 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(162, 205, 232)` looks like.

```
.text, #text, p{  
    color:rgb(162, 205, 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(162, 205, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 205, 232) }
```

Border

The CSS property to change the border of an element to XYZ 51.2971, 57.1702, 84.6752 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(162, 205, 232) }
```


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

```
.border{ border-color:rgb(162, 205, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 205, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 205, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 205, 232);  
box-shadow:4px 4px 4px 4px rgb(162, 205,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2971, 57.1702, 84.6752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 205, 232) }
```

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

```
.background{ background-color: rgb(162,  
205, 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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