

Converting Colors

XYZ(51.0361, 52.5999, 86.8854)

Have a look what the booklet for
XYZ(51.0361, 52.5999, 86.8854)
contains.

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Color

**XYZ(51.0032, 52.5261,
86.8073)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC0EC
RGB	172, 192, 236
RGB Percent	67%, 75%, 93%
CMY	0.3255, 0.2470, 0.0745
CMYK	0.27, 0.19, 0.00, 0.07
HSL	221°, 63%, 80%
HSV	221°, 27%, 93%
XYZ	51.0032, 52.5261, 86.8073
YIQ	191.0360, -26.0440, 9.4440

Conversions

Conversions Part 2

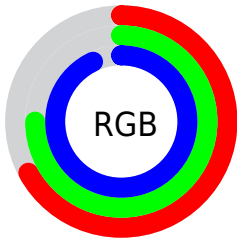
Format	Color
RYB	172, 187, 236
Decimal	11321580
CIELab	77.59, 2.88, -24.08
CIELCh	78, 24.253, 276.831
Yxy	52.5261, 0.2680, 0.2760
Android (android.graphics.Color)	4289511660 (0xFFACC0EC)
YUV	191.0360, 22.1673, -16.6946
Hunter-Lab	72.4749, -1.2142, -20.2826

Details

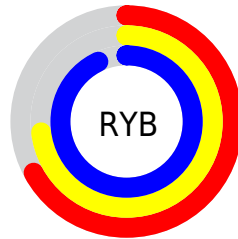
The XYZ color **51.0032, 52.5261, 86.8073** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.5950, 69.9235, 49.0178**, and the grayscale version is **49.4298, 52.0040, 56.6324**.

A 20% lighter version of the original color is **83.6123, 90.8488, 107.7365**, and **24.9421, 25.6121, 46.8091** is the 20% darker color. If you saturate the color by 10%, you get **42.9083, 43.3540, 85.4644**, and if you desaturate by 10%, it is **60.4139, 62.9620, 88.3265**.

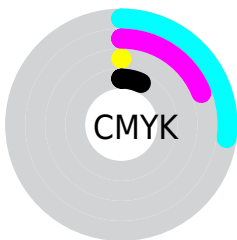
Distribution



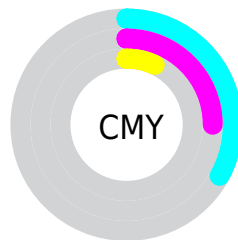
- Red (67%)
- Green (75%)
- Blue (93%)



- Red (67%)
- Yellow (73%)
- Blue (93%)



- Cyan (27%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



- Cyan (33%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0032, 52.5261, 86.8073 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 51.0032, 52.5261, 86.8073 by changing the saturation by 10% instead.

■ 51.0032, 52.5261,
86.8073

■ 51.0032, 52.5261,
86.8073

380.9637,
396.4643, 537.8892

■ 36.4322, 37.4246,
64.7770

■ 90.8425, 93.9067,
144.7920

■ 24.9398, 25.5364,
46.8301

116.8414,
120.9545, 181.5835

■ 16.1607, 16.4771,
32.5480

147.3805,
152.7533, 224.1326

■ 9.7295, 9.8624,
21.5121

182.8249,
189.6873, 272.8577

■ 5.2809, 5.3078,
13.3040

223.5401,
232.1410, 328.1773

■ 2.4494, 2.4290,
7.5050

269.8914,

■ 0.8698, 0.8407,

280.4988, 390.5101

3.6967

322.2441,
335.1451, 460.2746

■ 0.0000, 0.0000,
1.4605

■ 0.0000, 0.0000,
0.1882

■ 51.0032, 52.5261,
86.8073

■ 51.0032, 52.5261,
86.8073

■ 42.9083, 43.3540,
85.4644

■ 60.4139, 62.9620,
88.3265

■ 36.0630, 35.3889,
84.2878

■ 71.1926, 74.7029,
90.0246

■ 30.4022, 28.5789,
83.2717

■ 83.3946, 87.7956,
91.9087

■ 25.8530, 22.8653,
82.4086

■ 92.1405, 98.8362,
93.5788

■ 22.3335, 18.1836,
81.6905

■ 19.7491, 14.4611,
81.1082

■ 17.9809, 11.6106,
80.6512

■ 17.5731, 10.9213,
80.5396

Harmonies

Analogous

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



46.4650, 52.5261, 84.3264



51.0032, 52.5261, 86.8073



55.5190, 52.5261, 80.4148

Triad

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



51.0032, 52.5261, 86.8073



57.4838, 52.5261, 43.0844



42.0955, 52.5261, 47.6344

Complementary

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



51.0032, 52.5261, 86.8073



66.5950, 69.9235, 49.0178

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.



44.7190, 52.5261, 38.9351



51.0032, 52.5261, 86.8073



53.5515, 52.5261, 36.6093

Square

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



51.0032, 52.5261, 86.8073



59.4090, 52.5261, 54.1791



48.8611, 52.5261, 35.2186



41.5072, 52.5261, 60.3145

Rectangle

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



51.0032, 52.5261, 86.8073



57.8472, 52.5261, 72.4923



48.8611, 52.5261, 35.2186



42.7603, 52.5261, 44.2119

Sweetspot

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



51.0049, 52.5282, 86.8085



83.6271, 87.7103, 107.1299



59.3701, 73.7067, 75.8840



17.4661, 18.3039, 22.8624



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.



51.0049, 52.5282, 86.8085



54.8121, 55.8614, 102.5012



49.5975, 45.7200, 85.5686



14.6153, 15.3170, 19.1084



9.7882, 6.2234, 44.4283



0.8517, 0.6549, 3.5164

Inverse Universe

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



58.8604, 51.1451, 56.6412



65.8697, 54.3672, 59.9352



68.2661, 78.8604, 50.6547



15.2594, 15.1316, 16.6511



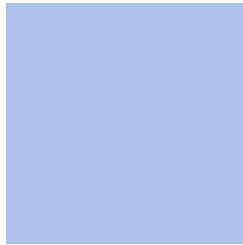
19.7959, 10.1211, 4.7268



1.5964, 0.8115, 0.5920

Previews

White Background



This preview shows how the XYZ color 51.0032, 52.5261, 86.8073 looks on a white background.

Color Contrast Check

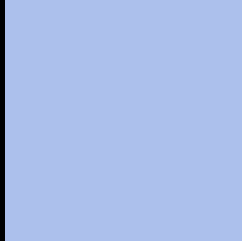
Large Text (above 18pt) WCAG AA × Fail

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 51.0032, 52.5261, 86.8073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

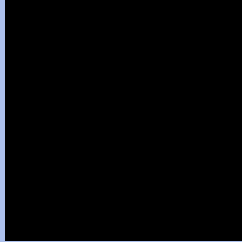
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.0032, 52.5261, 86.8073

Background



This preview shows how black text looks on a background with the XYZ color 51.0032, 52.5261, 86.8073.



This preview shows how white text looks on a background with the XYZ color 51.0032, 52.5261,

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

51.0032, 52.5261, 86.8073

Protanopia

52.3208, 52.5912, 85.2354

Deuteranopia

53.7628, 52.6457, 87.4488



Tritanopia

47.5599, 52.4488, 69.9043

Trichromacy



Original Color

51.0032, 52.5261, 86.8073

Protanomaly

51.9863, 52.7247, 86.0342

Deuteranomaly

52.7751, 52.4547, 87.4640

Tritanomaly

48.9284, 52.6857, 75.9972

Monochromacy



Original Color

51.0032, 52.5261, 86.8073

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.6605, 51.9569, 66.4428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0032, 52.5261, 86.8073 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(172, 192, 236)` looks like.

```
.text, #text, p{  
    color:rgb(172, 192, 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(172, 192, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 192, 236) }
```

Border

The CSS property to change the border of an element to XYZ 51.0032, 52.5261, 86.8073 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(172, 192, 236) }
```


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

```
.border{ border-color:rgb(172, 192, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 192, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 192, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 192, 236);  
box-shadow:4px 4px 4px 4px rgb(172, 192,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0032, 52.5261, 86.8073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 192, 236) }
```

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

```
.background{ background-color: rgb(172,  
192, 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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