

Converting Colors

XYZ(51.0881, 51.9402,
106.7110)

Have a look what the booklet for
XYZ(51.0881, 51.9402, 106.7110)
contains.

XYZ(50.0072, 51.3516, 101.8839)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.0072, 51.3516,
101.8839)**

Conversions

Conversions Part 1

Format	Color
Hex	9ABFFF
RGB	154, 191, 255
RGB Percent	60%, 75%, 100%
CMY	0.3961, 0.2510, 0.0000
CMYK	0.40, 0.25, 0.00, 0.00
HSL	218°, 100%, 80%
HSV	218°, 40%, 100%
XYZ	50.0072, 51.3516, 101.8839
YIQ	187.2330, -42.5960, 12.0600

Conversions

Conversions Part 2

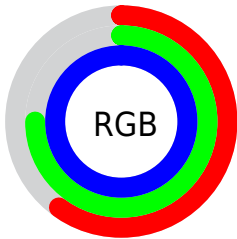
Format	Color
RYB	154, 181, 255
Decimal	10141695
CIELab	76.89, 3.25, -35.46
CIELCh	77, 35.610, 275.240
Yxy	51.3516, 0.2460, 0.2527
Android (android.graphics.Color)	4288331775 (0xFF9ABFFF)
YUV	187.2330, 33.4091, -29.1453
Hunter-Lab	71.6600, -0.8407, -34.1346

Details

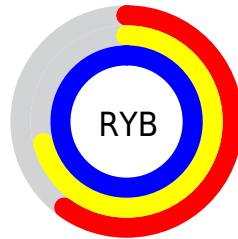
The XYZ color **50.0072, 51.3516, 101.8839** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.1448, 73.7366, 41.0039**, and the grayscale version is **47.2015, 49.6596, 54.0793**.

A 20% lighter version of the original color is **78.1747, 87.5904, 107.3941**, and **24.3185, 24.8508, 56.9410** is the 20% darker color. If you saturate the color by 10%, you get **42.3280, 42.4480, 100.5701**, and if you desaturate by 10%, it is **59.1092, 61.5679, 103.3761**.

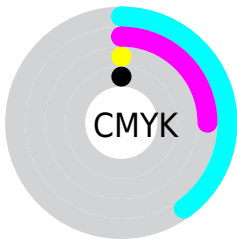
Distribution



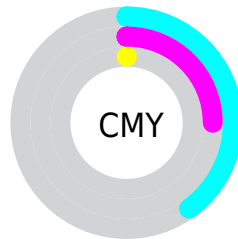
- Red (60%)
- Green (75%)
- Blue (100%)



- Red (60%)
- Yellow (71%)
- Blue (100%)



- Cyan (40%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0072, 51.3516, 101.8839 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 50.0072, 51.3516, 101.8839 by changing the saturation by 10% instead.

■ 50.0072, 51.3516,
101.8839

■ 50.0072, 51.3516,
101.8839

377.1456,
391.9283, 587.5141

■ 35.6369, 36.4885,
77.2492

■ 89.3773, 92.1743,
165.8181

■ 24.3227, 24.8117,
56.9446

■ 115.1079,
118.9027, 205.9546

■ 15.6992, 15.9368,
40.5517

145.3559,
150.3549, 252.0955

■ 9.4011, 9.4795,
27.6519

180.4867,
186.9155, 304.6593

■ 5.0629, 5.0552,
17.8267

220.8658,
228.9687, 364.0645

■ 2.3193, 2.2797,
10.6575

266.8584,

■ 0.8045, 0.7629,

276.8990, 430.7297

5.7257

318.8299,
331.0907, 505.0733

■ 0.0000, 0.0000,
2.6130

■ 0.0000, 0.0000,
0.8991

■ 50.0072, 51.3516,
101.8839

■ 50.0072, 51.3516,
101.8839

■ 42.3280, 42.4480,
100.5701

■ 59.1092, 61.5679,
103.3761

■ 35.9883, 34.7925,
99.4266

■ 69.7013, 73.1462,
105.0527

■ 30.9032, 28.3224,
98.4457

■ 81.8519, 86.1399,
106.9203

■ 26.9747, 22.9667,
97.6190

95.0500, 100.0000,
108.9000

■ 24.0878, 18.6439,
96.9368

■ 22.0700, 15.2414,
96.3864

■ 22.0011, 15.1221,
96.3670

Harmonies

Analogous

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



43.5546, 51.3516, 97.0790



50.0072, 51.3516, 101.8839



56.7145, 51.3516, 92.2411

Triad

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



50.0072, 51.3516, 101.8839



60.2357, 51.3516, 37.0360



37.9119, 51.3516, 41.7023

Complementary

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



50.0072, 51.3516, 101.8839



72.1448, 73.7366, 41.0039

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.



41.6730, 51.3516, 30.6487



50.0072, 51.3516, 101.8839



54.4680, 51.3516, 28.4234

Square

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



50.0072, 51.3516, 101.8839



62.9590, 51.3516, 52.5756



47.6284, 51.3516, 26.3894



36.9545, 51.3516, 59.3890

Rectangle

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



50.0072, 51.3516, 101.8839



60.3077, 51.3516, 79.9867



47.6284, 51.3516, 26.3894



38.8720, 51.3516, 37.2308

Sweetspot

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



50.0088, 51.3535, 101.8842



78.7979, 82.8979, 106.4555



61.7380, 83.4507, 79.1616



16.5176, 17.3724, 22.7326



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.



50.0088, 51.3535, 101.8842



43.4691, 43.7925, 100.7695



45.6423, 38.5995, 99.6526



17.5479, 18.4673, 22.8896



11.6256, 8.1608, 50.3970



1.2318, 0.9943, 4.9403

Inverse Universe

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



62.2007, 48.1344, 55.3046



57.5526, 41.1176, 46.7285



78.0513, 92.6481, 44.3429



18.2844, 18.0971, 20.1150



22.6563, 11.5518, 6.8403



2.2564, 1.1449, 0.9314

Previews

White Background



This preview shows how the XYZ color 50.0072, 51.3516, 101.8839 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 50.0072, 51.3516, 101.8839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

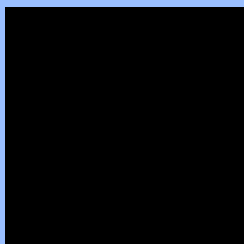
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

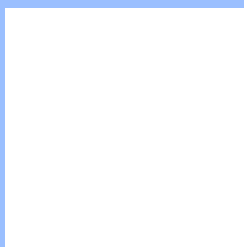
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0072, 51.3516, 101.8839

Background



This preview shows how black text looks on a background with the XYZ color 50.0072, 51.3516, 101.8839.



This preview shows how white text looks on a background with the XYZ color 50.0072, 51.3516,

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

50.0072, 51.3516, 101.8839

Protanopia

52.1356, 51.2268, 99.2354

Deuteranopia

52.6149, 51.4186, 101.7594



Tritanopia

43.8333, 51.1725, 71.1853

Trichromacy



Original Color

50.0072, 51.3516, 101.8839

Protanomaly

51.2299, 51.0576, 100.0835

Deuteranomaly

51.5503, 51.1858, 101.7706

Tritanomaly

45.8707, 50.9833, 81.5518

Monochromacy



Original Color

50.0072, 51.3516, 101.8839

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.5461, 49.8339, 69.4003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0072, 51.3516, 101.8839 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(154, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 191, 255)  
}
```

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(154, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 191, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.0072, 51.3516, 101.8839 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(154, 191, 255) }
```


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

```
.border{ border-color:rgb(154, 191, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 191,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0072, 51.3516, 101.8839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 191, 255) }
```

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

```
.background{ background-color: rgb(154,  
191, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor