

Converting Colors

XYZ(51.0842, 51.5741,
101.8701)

Have a look what the booklet for
XYZ(51.0842, 51.5741, 101.8701)
contains.

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Color

**XYZ(51.1614, 51.6240,
101.8757)**

Conversions

Conversions Part 1

Format	Color
Hex	A1BEFF
RGB	161, 190, 255
RGB Percent	63%, 75%, 100%
CMY	0.3686, 0.2549, 0.0000
CMYK	0.37, 0.25, 0.00, 0.00
HSL	221°, 100%, 82%
HSV	221°, 37%, 100%
XYZ	51.1614, 51.6240, 101.8757
YIQ	188.7390, -38.1490, 14.0670

Conversions

Conversions Part 2

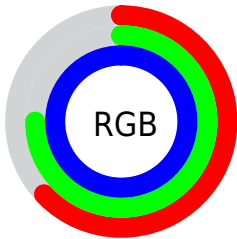
Format	Color
RYB	161, 183, 255
Decimal	10600191
CIELab	77.06, 5.63, -35.17
CIELCh	77, 35.621, 279.090
Yxy	51.6240, 0.2500, 0.2522
Android (android.graphics.Color)	4288790271 (0xFFA1BEFF)
YUV	188.7390, 32.6667, -24.3271
Hunter-Lab	71.8498, 1.3655, -33.7722

Details

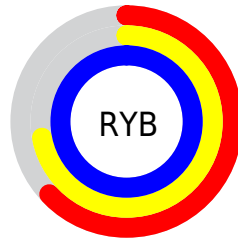
The XYZ color **51.1614, 51.6240, 101.8757** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.8699, 78.2264, 44.8732**, and the grayscale version is **48.0571, 50.5599, 55.0597**.

A 20% lighter version of the original color is **79.9192, 88.0370, 107.3884**, and **25.0826, 25.0327, 56.9359** is the 20% darker color. If you saturate the color by 10%, you get **42.9461, 42.0591, 100.4625**, and if you desaturate by 10%, it is **60.8897, 62.6569, 103.4925**.

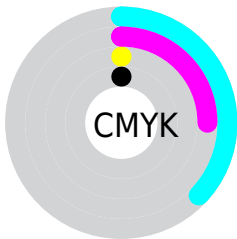
Distribution



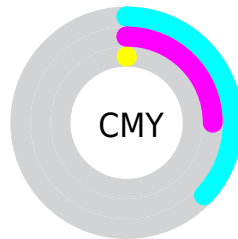
- Red (63%)
- Green (75%)
- Blue (100%)



- Red (63%)
- Yellow (72%)
- Blue (100%)



- Cyan (37%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1614, 51.6240, 101.8757 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 51.1614, 51.6240, 101.8757 by changing the saturation by 10% instead.

■ 51.1614, 51.6240,
101.8757

■ 51.1614, 51.6240,
101.8757

381.5679,
392.9833, 587.4877

■ 36.5586, 36.7055,
77.2423

■ 91.0749, 92.5765,
165.8067

■ 25.0381, 24.9795,
56.9390

■ 117.1163,
119.3792, 205.9415

■ 16.2343, 16.0618,
40.5473

147.7013,
150.9121, 252.0805

■ 9.7820, 9.5679,
27.6485

183.1953,
187.5596, 304.6423

■ 5.3158, 5.1134,
17.8241

223.9636,
229.7061, 364.0453

■ 2.4704, 2.3140,
10.6556

270.3715,

■ 0.8803, 0.7811,

277.7359, 430.7082

5.7245

322.7845,
332.0336, 505.0495

■ 0.0000, 0.0000,
2.6123

■ 0.0000, 0.0000,
0.8988

■ 51.1614, 51.6240,
101.8757

■ 51.1614, 51.6240,
101.8757

■ 42.9461, 42.0591,
100.4625

■ 60.8897, 62.6569,
103.4925

■ 36.1587, 33.8908,
99.2435

■ 72.2006, 75.2137,
105.3201

■ 30.7120, 27.0494,
98.2101

■ 85.1648, 89.3539,
107.3661

■ 26.5070, 21.4563,
97.3521

■ 95.0500, 100.0000,
108.9000

■ 23.4291, 17.0229,
96.6586

■ 21.3366, 13.6444,
96.1168

■ 20.8224, 12.7648,
95.9741

Harmonies

Analogous

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



44.5477, 51.6240, 98.9379



51.1614, 51.6240, 101.8757



57.7800, 51.6240, 90.5636

Triad

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



51.1614, 51.6240, 101.8757



59.9290, 51.6240, 35.7536



37.8404, 51.6240, 43.8784

Complementary

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



51.1614, 51.6240, 101.8757



74.8699, 78.2264, 44.8732

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.



41.2772, 51.6240, 31.8709



51.1614, 51.6240, 101.8757



53.8822, 51.6240, 27.9884

Square

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



51.1614, 51.6240, 101.8757



63.1406, 51.6240, 50.5001



47.0307, 51.6240, 26.7533



37.2575, 51.6240, 62.3343

Rectangle

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



51.1614, 51.6240, 101.8757



61.1593, 51.6240, 77.7189



47.0307, 51.6240, 26.7533



38.6840, 51.6240, 39.0876

Sweetspot

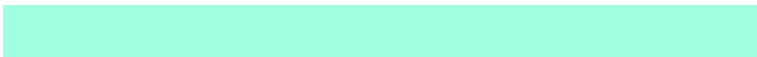
The Sweet Spot groups the original color and five complimentary colors.



51.1630, 51.6259, 101.8760



79.5943, 83.3058, 106.4923



64.0814, 84.5465, 84.3438



16.6594, 17.4197, 22.7342



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.



51.1630, 51.6259, 101.8760



45.1475, 44.6506, 100.8466



49.2100, 42.2042, 100.1603



17.4601, 18.2918, 22.8604



10.9957, 6.9009, 50.1871



1.1627, 0.8560, 4.9172

Inverse Universe

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



63.2802, 50.4690, 55.1234



59.0098, 44.0359, 47.2021



77.3752, 92.2303, 47.4442



18.2401, 18.0794, 19.8816



22.3383, 11.4246, 5.1660



2.2215, 1.1310, 0.7476

Previews

White Background



This preview shows how the XYZ color 51.1614, 51.6240, 101.8757 looks on a white background.

Color Contrast Check

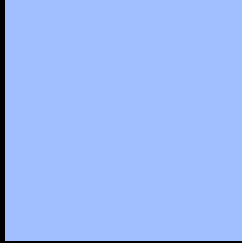
Large Text (above 18pt) WCAG AA × Fail

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 51.1614, 51.6240, 101.8757 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

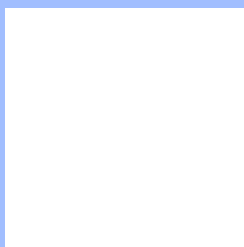
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.1614, 51.6240, 101.8757

Background



This preview shows how black text looks on a background with the XYZ color 51.1614, 51.6240, 101.8757.



This preview shows how white text looks on a background with the XYZ color 51.1614, 51.6240,

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

51.1614, 51.6240, 101.8757

Protanopia

52.2945, 51.2904, 100.0723

Deuteranopia

52.8336, 51.5313, 101.7696



Tritanopia

45.0942, 51.8225, 71.2444

Trichromacy



Original Color

51.1614, 51.6240, 101.8757

Protanomaly

51.8090, 51.3377, 100.9445

Deuteranomaly

52.1817, 51.5113, 101.8001

Tritanomaly

47.1755, 51.6559, 81.6129

Monochromacy



Original Color

51.1614, 51.6240, 101.8757

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.7982, 50.7830, 70.1809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1614, 51.6240, 101.8757 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(161, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 190, 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(161, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 190, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.1614, 51.6240, 101.8757 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(161, 190, 255) }
```


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

```
.border{ border-color:rgb(161, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 190,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1614, 51.6240, 101.8757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 190, 255) }
```

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

```
.background{ background-color: rgb(161,  
190, 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](#).

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