

Converting Colors

XYZ(47.1518, 51.2505,
104.1546)

Have a look what the booklet for
XYZ(47.1518, 51.2505, 104.1546)
contains.

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Color

**XYZ(46.6184, 50.9173,
101.9787)**

Conversions

Conversions Part 1

Format	Color
Hex	81C3FF
RGB	129, 195, 255
RGB Percent	51%, 76%, 100%
CMY	0.4941, 0.2353, 0.0000
CMYK	0.49, 0.24, 0.00, 0.00
HSL	209°, 100%, 75%
HSV	209°, 49%, 100%
XYZ	46.6184, 50.9173, 101.9787
YIQ	182.1060, -58.5960, 4.6680

Conversions

Conversions Part 2

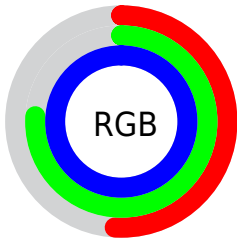
Format	Color
R_{YB}	129, 172, 255
Decimal	8504319
CIE _{Lab}	76.63, -4.95, -35.98
CIE _{LCh}	77, 36.314, 262.169
Yxy	50.9173, 0.2337, 0.2552
Android (android.graphics.Color)	4286694399 (0xFF81C3FF)
YUV	182.1060, 35.9367, -46.5740
Hunter-Lab	71.3564, -8.2564, -34.7847

Details

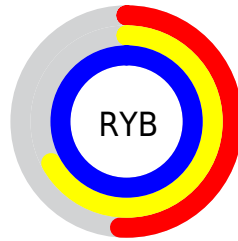
The XYZ color **46.6184, 50.9173, 101.9787** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.4012, 59.2418, 28.8643**, and the grayscale version is **44.3560, 46.6659, 50.8192**.

A 20% lighter version of the original color is **73.0407, 86.7792, 107.5081**, and **22.3203, 24.6884, 57.0150** is the 20% darker color. If you saturate the color by 10%, you get **40.6064, 43.9428, 100.9494**, and if you desaturate by 10%, it is **53.8211, 58.8361, 103.1276**.

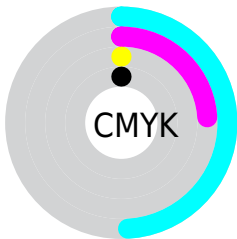
Distribution



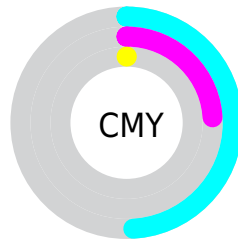
- Red (51%)
- Green (76%)
- Blue (100%)



- Red (51%)
- Yellow (67%)
- Blue (100%)



- Cyan (49%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6184, 50.9173, 101.9787 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 46.6184, 50.9173, 101.9787 by changing the saturation by 10% instead.

■ 46.6184, 50.9173,
101.9787

■ 46.6184, 50.9173,
101.9787

363.9637,
390.2424, 587.8189

■ 32.9408, 36.1428,
77.3280

■ 84.3659, 91.5325,
165.9493

■ 22.2401, 24.5445,
57.0089

■ 109.1666,
118.1420, 206.1062

■ 14.1510, 15.7380,
40.6030

■ 138.4056,
149.4653, 252.2689

■ 8.3082, 9.3390,
27.6917

172.4483,
185.8868, 304.8560

■ 4.3462, 4.9629,
17.8563

211.6601,
227.7908, 364.2860

■ 1.8998, 2.2255,
10.6785

256.4064,

■ 0.5767, 0.7339,

275.5619, 430.9775

5.7397

307.0525,
329.5842, 505.3489

■ 0.0000, 0.0000,
2.6212

■ 0.0000, 0.0000,
0.9034

■ 46.6184, 50.9173,
101.9787

■ 46.6184, 50.9173,
101.9787

■ 40.6064, 43.9428,
100.9494

■ 53.8211, 58.8361,
103.1276

■ 35.7019, 37.8590,
100.0336

■ 62.2807, 67.7378,
104.3999

■ 31.8174, 32.6136,
99.2258

■ 72.0636, 77.6649,
105.8004

■ 28.8477, 28.1441,
98.5197

■ 83.2298, 88.6555,
107.3333

■ 26.6339, 24.3597, 95.0500, 100.0000,
97.9059 108.9000

■ 26.5159, 24.1519,
97.8720

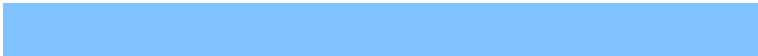
Harmonies

Analogous

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



40.7397, 50.9173, 90.9953



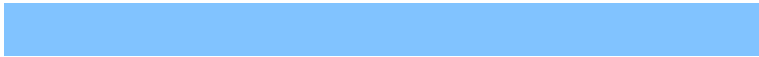
46.6184, 50.9173, 101.9787



53.5511, 50.9173, 98.3548

Triad

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



46.6184, 50.9173, 101.9787



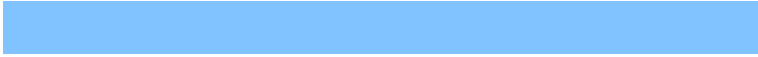
61.6831, 50.9173, 42.3594



38.6971, 50.9173, 35.3297

Complementary

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



46.6184, 50.9173, 101.9787



63.4012, 59.2418, 28.8643

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.



43.5816, 50.9173, 27.2750



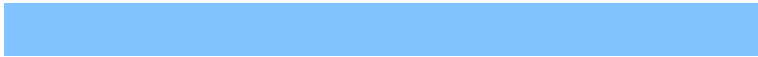
46.6184, 50.9173, 101.9787



56.9546, 50.9173, 30.6139

Square

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



46.6184, 50.9173, 101.9787



62.6913, 50.9173, 60.7543



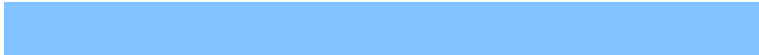
50.2169, 50.9173, 25.7807



36.4569, 50.9173, 50.4456

Rectangle

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



46.6184, 50.9173, 101.9787



57.8124, 50.9173, 88.4588



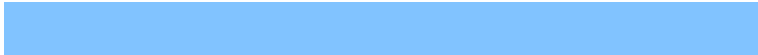
50.2169, 50.9173, 25.7807



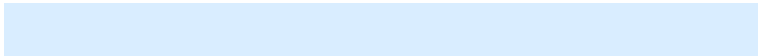
40.0609, 50.9173, 31.8692

Sweetspot

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



46.6200, 50.9191, 101.9790



76.8132, 82.3778, 106.4598



53.8701, 79.8100, 60.0315



15.9479, 17.1444, 22.7186



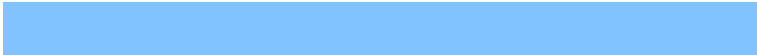
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



46.6200, 50.9191, 101.9790



40.8302, 44.2105, 100.9892



35.5200, 28.7192, 98.2790



17.7904, 18.9524, 22.9705



14.0058, 12.9212, 51.1904



1.4731, 1.4770, 5.0207

Inverse Universe

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



58.9417, 40.9024, 56.4198



54.8303, 34.7055, 48.8037



79.6377, 91.7147, 34.2764



18.4069, 18.1461, 20.7597



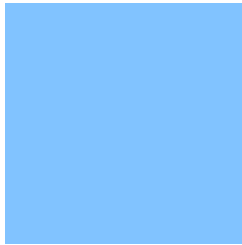
23.8577, 12.0324, 13.1669



2.3782, 1.1936, 1.5729

Previews

White Background



This preview shows how the XYZ color 46.6184, 50.9173, 101.9787 looks on a white background.

Color Contrast Check

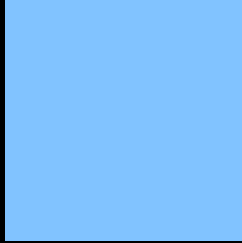
Large Text (above 18pt) WCAG AA × Fail

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 46.6184, 50.9173, 101.9787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

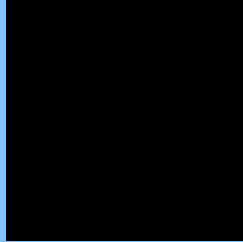
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

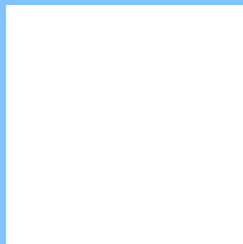
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6184, 50.9173, 101.9787

Background



This preview shows how black text looks on a background with the XYZ color 46.6184, 50.9173, 101.9787.

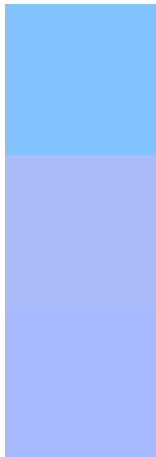


This preview shows how white text looks on a background with the XYZ color 46.6184, 50.9173,

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

46.6184, 50.9173, 101.9787

Protanopia

51.2968, 50.5530, 95.8610

Deuteranopia

51.7574, 50.6626, 101.6587



Tritanopia

41.1115, 51.0849, 74.0232

Trichromacy



Original Color

46.6184, 50.9173, 101.9787

Protanomaly

49.3205, 50.4281, 98.4009

Deuteranomaly

49.5740, 50.4852, 101.7395

Tritanomaly

42.7324, 50.6813, 83.1315

Monochromacy



Original Color

46.6184, 50.9173, 101.9787

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.3832, 47.9306, 67.2339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6184, 50.9173, 101.9787 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(129, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 195, 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(129, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 195, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.6184, 50.9173, 101.9787 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(129, 195, 255) }
```


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

```
.border{ border-color:rgb(129, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 195,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6184, 50.9173, 101.9787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 195, 255) }
```

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

```
.background{ background-color: rgb(129,  
195, 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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