

Converting Colors

XYZ(47.7407, 50.2086,
103.2634)

Have a look what the booklet for
XYZ(47.7407, 50.2086, 103.2634)
contains.

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Color

**XYZ(47.4960, 50.0571,
101.7664)**

Conversions

Conversions Part 1

Format	Color
Hex	8CBFFF
RGB	140, 191, 255
RGB Percent	55%, 75%, 100%
CMY	0.4510, 0.2510, 0.0000
CMYK	0.45, 0.25, 0.00, 0.00
HSL	213°, 100%, 77%
HSV	213°, 45%, 100%
XYZ	47.4960, 50.0571, 101.7664
YIQ	183.0470, -50.9400, 9.0920

Conversions

Conversions Part 2

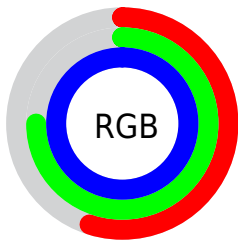
Format	Color
R _Y B	140, 175, 255
Decimal	9224191
CIE Lab	76.10, -0.23, -36.74
CIE LCh	76, 36.744, 269.645
Yxy	50.0571, 0.2383, 0.2511
Android (android.graphics.Color)	4287414271 (0xFF8CBFFF)
YUV	183.0470, 35.4728, -37.7522
Hunter-Lab	70.7510, -3.9852, -35.7554

Details

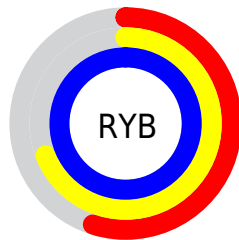
The XYZ color **47.4960, 50.0571, 101.7664** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.5672, 66.3401, 34.0565**, and the grayscale version is **44.8686, 47.2053, 51.4065**.

A 20% lighter version of the original color is **74.5995, 85.7473, 107.2268**, and **22.7612, 24.0480, 56.8682** is the 20% darker color. If you saturate the color by 10%, you get **40.7403, 42.2014, 100.6062**, and if you desaturate by 10%, it is **55.5501, 59.0293, 103.0737**.

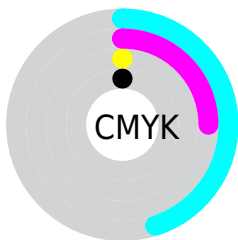
Distribution



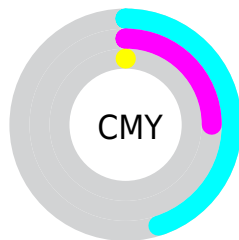
- Red (55%)
- Green (75%)
- Blue (100%)



- Red (55%)
- Yellow (69%)
- Blue (100%)



- Cyan (45%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4960, 50.0571, 101.7664 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 47.4960, 50.0571, 101.7664 by changing the saturation by 10% instead.

■ 47.4960, 50.0571,
101.7664

■ 47.4960, 50.0571,
101.7664

367.4068,
386.8892, 587.1362

■ 33.6375, 35.4588,
77.1515

■ 85.6678, 90.2595,
165.6555

■ 22.7768, 24.0165,
56.8649

■ 110.7118,
116.6323, 205.7668

■ 14.5486, 15.3458,
40.4881

140.2150,
147.6988, 251.8805

■ 8.5874, 9.0625,
27.6027

174.5428,
183.8432, 304.4154

■ 4.5280, 4.7820,
17.7899

214.0605,
225.4501, 363.7898

■ 2.0050, 2.1199,
10.6314

259.1335,

■ 0.6368, 0.6758,

272.9038, 430.4224

5.7085

310.1272,
326.5887, 504.7317

■ 0.0000, 0.0000,
2.6028

■ 0.0000, 0.0000,
0.8939

■ 47.4960, 50.0571,
101.7664

■ 47.4960, 50.0571,
101.7664

■ 40.7403, 42.2014,
100.6062

■ 55.5501, 59.0293,
103.0737

■ 35.2003, 35.4040,
99.5862

■ 64.9693, 69.1615,
104.5330

■ 30.7897, 29.6083,
98.6999

■ 75.8208, 80.5009,
106.1498

■ 27.4076, 24.7484,
97.9401

■ 88.1657, 93.0903,
107.9291

■ 24.9309, 20.7462,
97.2982

95.0500, 100.0000,
108.9000

■ 23.9650, 19.0499,
97.0217

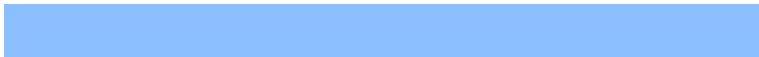
Harmonies

Analogous

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



41.2091, 50.0571, 94.1038



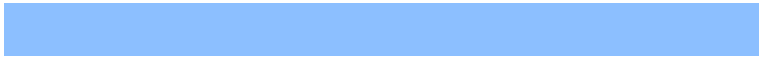
47.4960, 50.0571, 101.7664



54.4158, 50.0571, 94.4414

Triad

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



47.4960, 50.0571, 101.7664



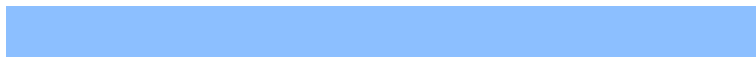
60.0075, 50.0571, 37.8499



37.0644, 50.0571, 37.5325

Complementary

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



47.4960, 50.0571, 101.7664



67.5672, 66.3401, 34.0565

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.



41.3380, 50.0571, 27.7910



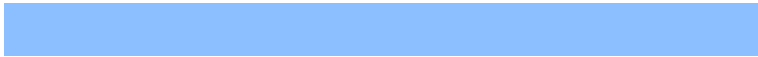
47.4960, 50.0571, 101.7664



54.5709, 50.0571, 27.9408

Square

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



47.4960, 50.0571, 101.7664



62.0485, 50.0571, 54.7383



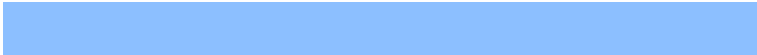
47.6596, 50.0571, 24.7490



35.5523, 50.0571, 54.2697

Rectangle

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



47.4960, 50.0571, 101.7664



58.3717, 50.0571, 82.8560



47.6596, 50.0571, 24.7490



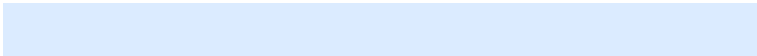
38.2040, 50.0571, 33.4925

Sweetspot

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



47.4975, 50.0589, 101.7667



77.1000, 81.8191, 106.3368



57.3856, 81.4197, 69.3486



15.9673, 16.9603, 22.6821



0.0000, 0.0000, 0.0000



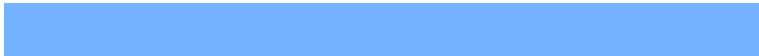
20.3446, 21.4041, 23.3091

Same Dimension

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



47.4975, 50.0589, 101.7667



41.4201, 43.0100, 100.7264



39.2393, 32.0661, 98.7290



17.6661, 18.7037, 22.9290



12.6656, 10.2407, 50.7437



1.3400, 1.2108, 4.9764

Inverse Universe

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



60.0231, 43.7793, 54.5788



55.7092, 37.2817, 46.5732



79.6502, 93.5993, 38.6813



18.3441, 18.1209, 20.4291



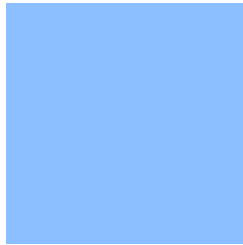
23.1812, 11.7618, 9.6045



2.3110, 1.1668, 1.2192

Previews

White Background



This preview shows how the XYZ color 47.4960, 50.0571, 101.7664 looks on a white background.

Color Contrast Check

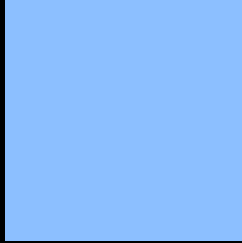
Large Text (above 18pt) WCAG AA × Fail

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 47.4960, 50.0571, 101.7664 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

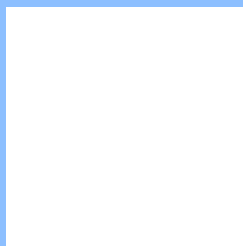
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.4960, 50.0571, 101.7664

Background



This preview shows how black text looks on a background with the XYZ color 47.4960, 50.0571, 101.7664.

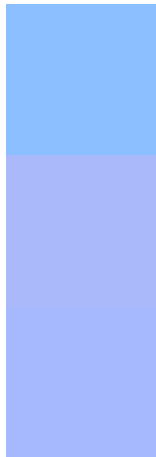


This preview shows how white text looks on a background with the XYZ color 47.4960, 50.0571,

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

47.4960, 50.0571, 101.7664

Protanopia

50.9665, 50.0351, 97.4140

Deuteranopia

51.1248, 50.0249, 101.5689



Tritanopia

41.2338, 49.8324, 71.0637

Trichromacy



Original Color

47.4960, 50.0571, 101.7664

Protanomaly

49.4416, 49.8380, 99.1093

Deuteranomaly

49.7250, 49.9287, 101.6242

Tritanomaly

43.1737, 49.5929, 81.4256

Monochromacy



Original Color

47.4960, 50.0571, 101.7664

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.0039, 47.9368, 67.2024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4960, 50.0571, 101.7664 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(140, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 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(140, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 191, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.4960, 50.0571, 101.7664 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(140, 191, 255) }
```


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

```
.border{ border-color:rgb(140, 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(140, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 191,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4960, 50.0571, 101.7664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 191, 255) }
```

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

```
.background{ background-color: rgb(140,  
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](#).

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