

Converting Colors

XYZ(47.7060, 51.9562, 77.9891)

Have a look what the booklet for
XYZ(47.7060, 51.9562, 77.9891)
contains.

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Color

**XYZ(47.6676, 51.9891,
78.0436)**

Conversions

Conversions Part 1

Format	Color
Hex	A1C3E0
RGB	161, 195, 224
RGB Percent	63%, 76%, 88%
CMY	0.3686, 0.2353, 0.1216
CMYK	0.28, 0.13, 0.00, 0.12
HSL	208°, 50%, 75%
HSV	208°, 28%, 88%
XYZ	47.6676, 51.9891, 78.0436
YIQ	188.1400, -29.5730, 1.8110

Conversions

Conversions Part 2

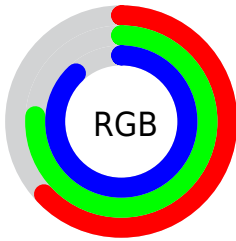
Format	Color
R _Y B	161, 183, 224
Decimal	10601440
CIE Lab	77.27, -4.79, -18.17
CIE LCh	77, 18.791, 255.221
Yxy	51.9891, 0.2682, 0.2926
Android (android.graphics.Color)	4288791520 (0xFFA1C3E0)
YUV	188.1400, 17.6790, -23.8018
Hunter-Lab	72.1035, -8.1747, -13.7021

Details

The XYZ color **47.6676, 51.9891, 78.0436** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.5877, 55.2479, 41.4537**, and the grayscale version is **47.7955, 50.2846, 54.7599**.

A 20% lighter version of the original color is **81.4757, 91.5925, 107.9926**, and **22.8707, 25.1025, 41.1760** is the 20% darker color. If you saturate the color by 10%, you get **41.3208, 45.4064, 77.1084**, and if you desaturate by 10%, it is **54.9858, 59.3119, 79.0722**.

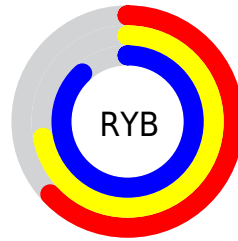
Distribution



Red (63%)

Green (76%)

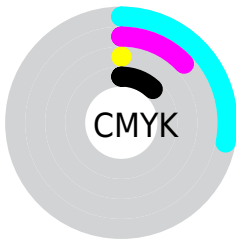
Blue (88%)



Red (63%)

Yellow (72%)

Blue (88%)

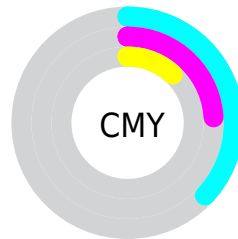


Cyan (28%)

Magenta (13%)

Yellow (0%)

Black (12%)



Cyan (37%)

Magenta (24%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6676, 51.9891, 78.0436 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 47.6676, 51.9891, 78.0436 by changing the saturation by 10% instead.

■ 47.6676, 51.9891,
78.0436

■ 47.6676, 51.9891,
78.0436

368.0776,
394.3945, 507.8467

■ 33.7739, 36.9964,
57.5931

■ 85.9220, 93.1152,
132.3980

■ 22.8820, 25.2047,
41.0691

■ 111.0134,
120.0173, 167.1390

■ 14.6266, 16.2296,
28.0530

140.5680,
151.6580, 207.4807

■ 8.6424, 9.6868,
18.1262

174.9513,
188.4218, 253.8414

■ 4.5639, 5.1918,
10.8703

214.5285,
230.6929, 306.6399

■ 2.0258, 2.3602,
5.8666

259.6651,

■ 0.6484, 0.8053,

278.8558, 366.2946

2.6967

310.7263,
333.2949, 433.2240

■ 0.0000, 0.0000,
0.9417

■ 0.0000, 0.0000,
0.0000

■ 47.6676, 51.9891,
78.0436

■ 47.6676, 51.9891,
78.0436

■ 41.3208, 45.4064,
77.1084

■ 54.9858, 59.3119,
79.0722

■ 35.8942, 39.5290,
76.2600

■ 63.3136, 67.3953,
80.1935

■ 31.3390, 34.3279,
75.4961

■ 72.6930, 76.2667,
81.4116

■ 27.5992, 29.7693,
74.8134

■ 83.1620, 85.9502,
82.7289

■ 24.6118, 25.8155,
74.2076

■ 87.8200, 92.8925,
83.8234

■ 22.3030, 22.4231,
73.6745

■ 90.4547, 98.1619,
84.7016

■ 20.5692, 19.5328,
73.2080

■ 20.2794, 19.0313,
73.1265

Harmonies

Analogous

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



44.6926, 51.9891, 71.8932



47.6676, 51.9891, 78.0436



51.2556, 51.9891, 77.9945

Triad

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



47.6676, 51.9891, 78.0436



56.4058, 51.9891, 51.5558



44.6572, 51.9891, 43.7489

Complementary

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



47.6676, 51.9891, 78.0436



55.5877, 55.2479, 41.4537

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.



47.6172, 51.9891, 39.5377



47.6676, 51.9891, 78.0436



54.4569, 51.9891, 43.6579

Square

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



47.6676, 51.9891, 78.0436



56.4209, 51.9891, 61.8216



51.2027, 51.9891, 39.5065



43.0128, 51.9891, 51.6948

Rectangle

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



47.6676, 51.9891, 78.0436



53.5188, 51.9891, 74.4147



51.2027, 51.9891, 39.5065



45.5248, 51.9891, 41.8948

Sweetspot

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



47.6692, 51.9912, 78.0448



85.0163, 90.4887, 107.5930



50.5781, 64.5788, 58.1440



17.8152, 19.0020, 22.9787



0.0000, 0.0000, 0.0000



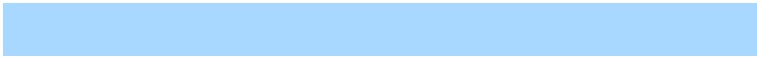
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6692, 51.9912, 78.0448



58.5865, 64.2260, 103.9168



41.4561, 39.5649, 75.9738



13.5618, 14.4627, 17.4645



11.9203, 11.3102, 42.6032



0.9155, 0.9625, 2.9828

Inverse Universe

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



53.3370, 45.2786, 57.5605



67.5758, 54.2872, 71.2694



62.9914, 70.0553, 43.9216



14.0150, 13.8236, 15.8493



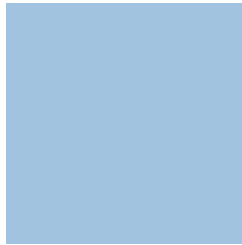
19.9570, 10.0498, 11.7054



1.4284, 0.7146, 1.0487

Previews

White Background



This preview shows how the XYZ color 47.6676, 51.9891, 78.0436 looks on a white background.

Color Contrast Check

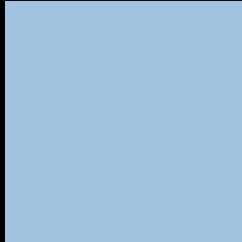
Large Text (above 18pt) WCAG AA × Fail

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 47.6676, 51.9891, 78.0436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

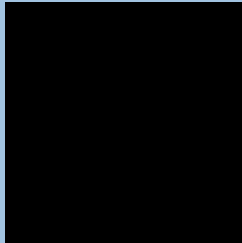
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

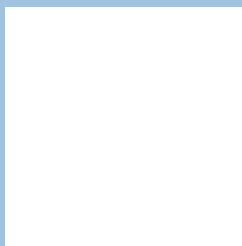
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6676, 51.9891, 78.0436

Background



This preview shows how black text looks on a background with the XYZ color 47.6676, 51.9891, 78.0436.



This preview shows how white text looks on a background with the XYZ color 47.6676, 51.9891,

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

47.6676, 51.9891, 78.0436

Protanopia

51.1234, 51.8768, 75.0289

Deuteranopia

53.0246, 51.8153, 79.1582



Tritanopia

46.2746, 52.1075, 70.5696

Trichromacy



Original Color

47.6676, 51.9891, 78.0436

Protanomaly

49.5864, 51.7122, 75.7746

Deuteranomaly

50.8443, 51.6552, 78.5248

Tritanomaly

46.7615, 51.9632, 73.2109

Monochromacy



Original Color

47.6676, 51.9891, 78.0436

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.5335, 50.9436, 62.5862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6676, 51.9891, 78.0436 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, 195, 224)` looks like.

```
.text, #text, p{  
    color:rgb(161, 195, 224)  
}
```

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, 195, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 195, 224) }
```

Border

The CSS property to change the border of an element to XYZ 47.6676, 51.9891, 78.0436 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, 195, 224) }
```


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

```
.border{ border-color:rgb(161, 195, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 195, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 195, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 195, 224);  
box-shadow:4px 4px 4px 4px rgb(161, 195,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6676, 51.9891, 78.0436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 195, 224) }
```

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

```
.background{ background-color: rgb(161,  
195, 224) }
```

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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