

Converting Colors

XYZ(57.8356, 48.4820,
153.8483)

Have a look what the booklet for
XYZ(57.8356, 48.4820, 153.8483)
contains.

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Color

**XYZ(47.7028, 44.4064,
100.6648)**

Conversions

Conversions Part 1

Format	Color
Hex	A2ACFF
RGB	162, 172, 255
RGB Percent	64%, 67%, 100%
CMY	0.3647, 0.3255, 0.0000
CMYK	0.36, 0.33, 0.00, 0.00
HSL	234°, 100%, 82%
HSV	234°, 36%, 100%
XYZ	47.7028, 44.4064, 100.6648
YIQ	178.4720, -32.6030, 23.6930

Conversions

Conversions Part 2

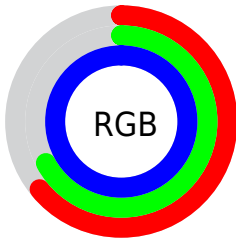
Format	Color
RYB	162, 171, 255
Decimal	10661119
CIELab	72.50, 15.89, -42.25
CIELCh	72, 45.139, 290.606
Yxy	44.4064, 0.2475, 0.2304
Android (android.graphics.Color)	4288851199 (0xFFA2ACFF)
YUV	178.4720, 37.7283, -14.4459
Hunter-Lab	66.6381, 11.1622, -42.9179

Details

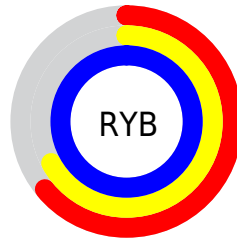
The XYZ color **47.7028, 44.4064, 100.6648** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.4147, 89.1743, 47.1584**, and the grayscale version is **42.3868, 44.5942, 48.5631**.

A 20% lighter version of the original color is **74.7325, 77.2182, 105.5735**, and **22.9729, 20.6360, 56.1984** is the 20% darker color. If you saturate the color by 10%, you get **39.0716, 34.0690, 99.1244**, and if you desaturate by 10%, it is **58.1287, 56.7718, 102.5021**.

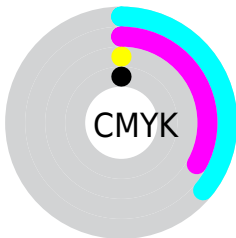
Distribution



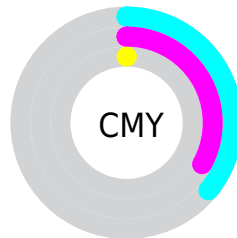
- Red (64%)
- Green (67%)
- Blue (100%)



- Red (64%)
- Yellow (67%)
- Blue (100%)



- Cyan (36%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7028, 44.4064, 100.6648 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 47.7028, 44.4064, 100.6648 by changing the saturation by 10% instead.

■ 47.7028, 44.4064,
100.6648

■ 47.7028, 44.4064,
100.6648

368.2151,
364.3641, 583.5869

■ 33.8019, 30.9901,
76.2359

■ 85.9741, 81.8289,
164.1303

■ 22.9036, 20.5913,
56.1181

■ 111.0752,
106.6040, 204.0040

■ 14.6426, 12.8256,
39.8930

140.6404,
135.9341, 249.8630

■ 8.6536, 7.3086,
27.1420

175.0350,
170.2036, 302.1258

■ 4.5713, 3.6558,
17.4465

214.6244,
209.7970, 361.2111

■ 2.0301, 1.4830,
10.3880

259.7740,

■ 0.6508, 0.2767,

255.0986, 427.5374

5.5480

310.8491,
306.4929, 501.5231

■ 0.0000, 0.0000,
2.5080

■ 0.0000, 0.0000,
0.8444

■ 47.7028, 44.4064,
100.6648

■ 47.7028, 44.4064,
100.6648

■ 39.0716, 34.0690,
99.1244

■ 58.1287, 56.7718,
102.5021

■ 32.1293, 25.6462,
97.8646

■ 70.4387, 71.2607,
104.6499

■ 26.7653, 19.0210,
96.8685

■ 84.7213, 87.9684,
107.1220

■ 22.8539, 14.0612,
96.1173

■ 95.0500, 100.0000,
108.9000

■ 20.2502, 10.6162,
95.5896

■ 18.7772, 8.5070,
95.2601

■ 18.4516, 8.0232,
95.1839

Harmonies

Analogous

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



39.8083, 44.4064, 104.2443



47.7028, 44.4064, 100.6648



54.8771, 44.4064, 81.0172

Triad

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



47.7028, 44.4064, 100.6648



52.4480, 44.4064, 22.1931



29.0833, 44.4064, 41.6798

Complementary

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



47.7028, 44.4064, 100.6648



80.4147, 89.1743, 47.1584

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.



31.6545, 44.4064, 25.9108



47.7028, 44.4064, 100.6648



44.7001, 44.4064, 17.1697

Square

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



47.7028, 44.4064, 100.6648



57.8423, 44.4064, 34.7667



37.1503, 44.4064, 18.2809



29.6784, 44.4064, 65.0800

Rectangle

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



47.7028, 44.4064, 100.6648



57.9761, 44.4064, 64.0455



37.1503, 44.4064, 18.2809



29.5927, 44.4064, 35.4559

Sweetspot

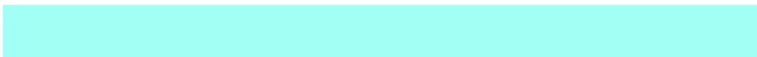
The Sweet Spot groups the original color and five complimentary colors.



47.7042, 44.4080, 100.6651



78.0001, 80.1174, 105.9609



67.0131, 85.7426, 98.7258



16.2821, 16.6650, 22.6085



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.



47.7042, 44.4080, 100.6651



41.0418, 36.4392, 99.4781



54.1683, 45.0207, 100.4426



17.1602, 17.6920, 22.7604



9.6917, 4.2930, 49.7524



0.9927, 0.5161, 4.8606

Inverse Universe

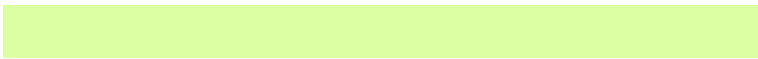
The Inverse Universe completely reimagines the original color for something new.



61.6077, 50.0808, 45.4507



56.9374, 43.2069, 36.2892



71.6013, 89.2434, 47.6363



18.0887, 18.0188, 19.0845



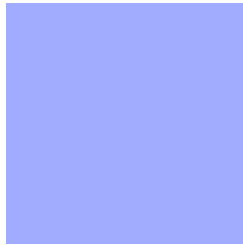
21.6801, 11.1613, 1.7001



2.1357, 1.0966, 0.2959

Previews

White Background



This preview shows how the XYZ color 47.7028, 44.4064, 100.6648 looks on a white background.

Color Contrast Check

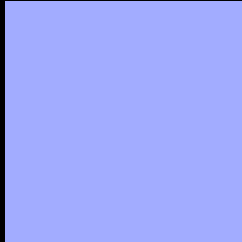
Large Text (above 18pt) WCAG AA × Fail

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 47.7028, 44.4064, 100.6648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

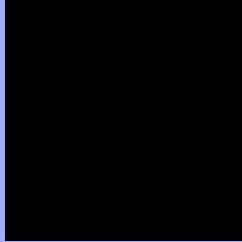
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7028, 44.4064, 100.6648

Background



This preview shows how black text looks on a background with the XYZ color 47.7028, 44.4064, 100.6648.



This preview shows how white text looks on a background with the XYZ color 47.7028, 44.4064,

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

47.7028, 44.4064, 100.6648

Protanopia

46.3289, 44.5553, 100.7660

Deuteranopia

45.6275, 44.5023, 99.9509



Tritanopia

39.5210, 44.3338, 59.9004

Trichromacy



Original Color

47.7028, 44.4064, 100.6648

Protanomaly

46.8964, 44.5600, 100.7370

Deuteranomaly

46.3562, 44.5880, 99.9290

Tritanomaly

42.2327, 44.2247, 73.3282

Monochromacy



Original Color

47.7028, 44.4064, 100.6648

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.6792, 44.2776, 64.6368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7028, 44.4064, 100.6648 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(162, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 172, 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(162, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 172, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.7028, 44.4064, 100.6648 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(162, 172, 255) }
```


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

```
.border{ border-color:rgb(162, 172, 255) }
```

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

Here you see how a box with a 4 pixel rgb(162, 172, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 172,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7028, 44.4064, 100.6648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 172, 255) }
```

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

```
.background{ background-color: rgb(162,  
172, 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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