

Converting Colors

XYZ(52.4830, 44.2062,
124.5744)

Have a look what the booklet for
XYZ(52.4830, 44.2062, 124.5744)
contains.

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Color

**XYZ(47.9030, 42.3170,
100.2510)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA4FF
RGB	170, 164, 255
RGB Percent	67%, 64%, 100%
CMY	0.3333, 0.3568, 0.0000
CMYK	0.33, 0.36, 0.00, 0.00
HSL	244°, 100%, 82%
HSV	244°, 36%, 100%
XYZ	47.9030, 42.3170, 100.2510
YIQ	176.1680, -25.6350, 29.5730

Conversions

Conversions Part 2

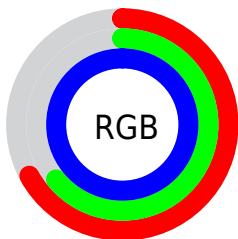
Format	Color
RYB	170, 164, 255
Decimal	11183359
CIELab	71.09, 22.52, -44.42
CIELCh	71, 49.799, 296.887
Yxy	42.3170, 0.2515, 0.2222
Android (android.graphics.Color)	4289373439 (0xFFAAA4FF)
YUV	176.1680, 38.8642, -5.4093
Hunter-Lab	65.0515, 17.6047, -45.8359

Details

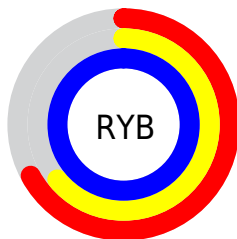
The XYZ color **47.9030, 42.3170, 100.2510** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.5280, 94.3402, 49.0360**, and the grayscale version is **41.1689, 43.3129, 47.1678**.

A 20% lighter version of the original color is **75.0601, 74.2139, 104.9764**, and **23.0574, 19.3104, 55.9381** is the 20% darker color. If you saturate the color by 10%, you get **39.0978, 31.6697, 98.6599**, and if you desaturate by 10%, it is **58.5585, 55.2779, 102.1911**.

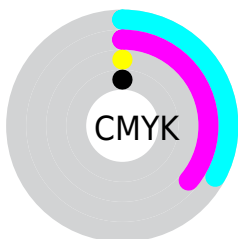
Distribution



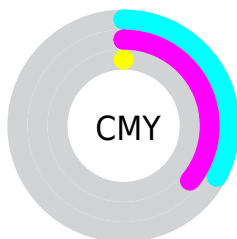
- Red (67%)
- Green (64%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9030, 42.3170, 100.2510 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 47.9030, 42.3170, 100.2510 by changing the saturation by 10% instead.

47.9030, 42.3170,
100.2510

47.9030, 42.3170,
100.2510

368.9965,
355.7953, 582.2507

33.9610, 29.3496,
75.8921

86.2705, 78.6792,
163.5570

23.0264, 19.3454,
55.8379

111.4268,
102.8427, 203.3411

14.7338, 11.9201,
39.6699

141.0518,
131.5071, 249.1041

8.7179, 6.6893,
26.9694

175.5110,
165.0567, 301.2645

4.6133, 3.2686,
17.3180

215.1698,
203.8759, 360.2408

2.0546, 1.2735,
10.2971

260.3933,

0.6643, 0.1206,

248.3492, 426.4516

5.4882

311.5471,
298.8609, 500.3153

■ 0.0000, 0.0000,
2.4728

■ 0.0000, 0.0000,
0.8257

■ 47.9030, 42.3170,
100.2510

■ 47.9030, 42.3170,
100.2510

■ 39.0978, 31.6697,
98.6599

■ 58.5585, 55.2779,
102.1911

■ 32.0335, 23.1954,
97.3965

■ 71.1574, 70.6726,
104.4985

■ 26.5954, 16.7454,
96.4382

■ 85.7911, 88.6186,
107.1912

■ 22.6533, 12.1506,
95.7591

■ 95.0500, 100.0000,
108.9000

■ 20.0570, 9.2139,
95.3291

■ 18.6241, 7.6937,
95.1112

■ 18.2779, 7.3375,
95.0607

Harmonies

Analogous

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



39.3580, 42.3170, 108.6845



47.9030, 42.3170, 100.2510



55.1736, 42.3170, 75.9314

Triad

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



47.9030, 42.3170, 100.2510



49.6147, 42.3170, 17.3567



26.2612, 42.3170, 43.6310

Complementary

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



47.9030, 42.3170, 100.2510



81.5280, 94.3402, 49.0360

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.



28.2481, 42.3170, 25.2955



47.9030, 42.3170, 100.2510



41.0966, 42.3170, 13.7860

Square

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



47.9030, 42.3170, 100.2510



56.2538, 42.3170, 28.2981



33.4077, 42.3170, 16.0903



27.5668, 42.3170, 70.0728

Rectangle

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



47.9030, 42.3170, 100.2510



57.9118, 42.3170, 57.2788



33.4077, 42.3170, 16.0903



26.5587, 42.3170, 36.4383

Sweetspot

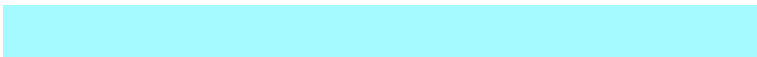
The Sweet Spot groups the original color and five complimentary colors.



47.9044, 42.3185, 100.2512



77.7546, 78.7559, 105.7110



67.6862, 83.7642, 107.2084



16.2241, 16.3438, 22.5495



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.



47.9044, 42.3185, 100.2512



41.2867, 34.3095, 99.0541



59.0726, 48.0760, 100.7739



17.1139, 17.4349, 22.7132



9.5918, 3.8552, 49.6732



0.9709, 0.3945, 4.8382

Inverse Universe

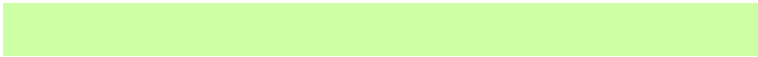
The Inverse Universe completely reimagines the original color for something new.



71.6149, 54.6516, 96.3967



68.3265, 48.3810, 94.3571



67.6247, 87.1727, 48.3854



18.7379, 18.2785, 22.5029



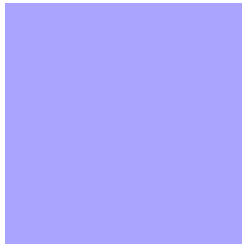
29.6490, 14.3489, 43.6637



2.9018, 1.4031, 4.3302

Previews

White Background



This preview shows how the XYZ color 47.9030, 42.3170, 100.2510 looks on a white background.

Color Contrast Check

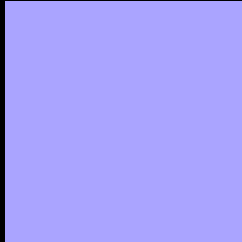
Large Text (above 18pt) WCAG AA × Fail

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 47.9030, 42.3170, 100.2510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

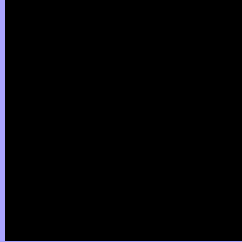
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9030, 42.3170, 100.2510

Background



This preview shows how black text looks on a background with the XYZ color 47.9030, 42.3170, 100.2510.



This preview shows how white text looks on a background with the XYZ color 47.9030, 42.3170,

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

47.9030, 42.3170, 100.2510

Protanopia

44.4670, 42.4568, 100.4591

Deuteranopia

43.6577, 42.6417, 98.8582



Tritanopia

38.8364, 42.2738, 55.4030

Trichromacy



Original Color

47.9030, 42.3170, 100.2510

Protanomaly

45.5702, 42.1938, 100.3502

Deuteranomaly

45.2130, 42.5806, 99.6018

Tritanomaly

41.5881, 41.9372, 69.5211

Monochromacy



Original Color

47.9030, 42.3170, 100.2510

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.2275, 42.9115, 63.7620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9030, 42.3170, 100.2510 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(170, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 164, 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(170, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 164, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.9030, 42.3170, 100.2510 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(170, 164, 255) }
```


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

```
.border{ border-color:rgb(170, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 164,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9030, 42.3170, 100.2510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 164, 255) }
```

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

```
.background{ background-color: rgb(170,  
164, 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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