

Converting Colors

XYZ(49.4446, 42.2334,
100.1536)

Have a look what the booklet for
XYZ(49.4446, 42.2334, 100.1536)
contains.

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Color

**XYZ(49.6173, 42.4130,
100.1792)**

Conversions

Conversions Part 1

Format	Color
Hex	B4A1FF
RGB	180, 161, 255
RGB Percent	71%, 63%, 100%
CMY	0.2941, 0.3686, 0.0000
CMYK	0.29, 0.37, 0.00, 0.00
HSL	252°, 100%, 82%
HSV	252°, 37%, 100%
XYZ	49.6173, 42.4130, 100.1792
YIQ	177.3970, -18.8500, 33.2620

Conversions

Conversions Part 2

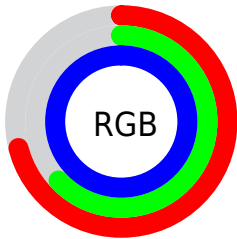
Format	Color
R_{YB}	180, 161, 255
Decimal	11837951
CIE _{Lab}	71.15, 26.93, -44.26
CIE _{LCh}	71, 51.804, 301.319
Yxy	42.4130, 0.2581, 0.2207
Android (android.graphics.Color)	4290028031 (0xFFB4A1FF)
YUV	177.3970, 38.2583, 2.2828
Hunter-Lab	65.1253, 22.0254, -45.6154

Details

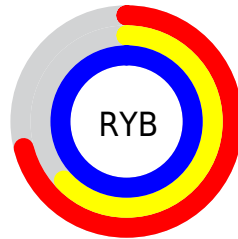
The XYZ color **49.6173, 42.4130, 100.1792** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.7852, 91.9261, 47.4162**, and the grayscale version is **41.8120, 43.9895, 47.9045**.

A 20% lighter version of the original color is **77.8658, 74.5089, 104.8854**, and **24.1191, 19.3745, 55.8945** is the 20% darker color. If you saturate the color by 10%, you get **41.2133, 32.1271, 98.6367**, and if you desaturate by 10%, it is **59.6279, 54.8777, 102.0575**.

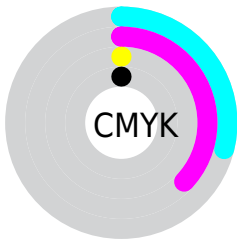
Distribution



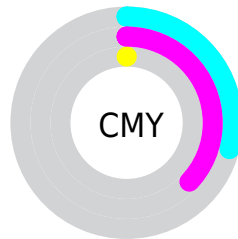
- Red (71%)
- Green (63%)
- Blue (100%)



- Red (71%)
- Yellow (63%)
- Blue (100%)



- Cyan (29%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6173, 42.4130, 100.1792 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 49.6173, 42.4130, 100.1792 by changing the saturation by 10% instead.

■ 49.6173, 42.4130,
100.1792

■ 49.6173, 42.4130,
100.1792

375.6442,
356.1921, 582.0186

■ 35.3260, 29.4248,
75.8325

■ 88.8028, 78.8243,
163.4574

■ 24.0818, 19.4024,
55.7893

■ 114.4277,
103.0162, 203.2261

■ 15.5194, 11.9614,
39.6312

144.5611,
131.7115, 248.9724

■ 9.2734, 6.7174,
26.9395

179.5685,
165.2945, 301.1150

■ 4.9784, 3.2860,
17.2958

219.8151,
204.1497, 360.0723

■ 2.2692, 1.2828,
10.2814

265.6664,

■ 0.7789, 0.1278,

248.6614, 426.2631

5.4779

317.4876,
299.2141, 500.1056

■ 0.0000, 0.0000,
2.4667

■ 0.0000, 0.0000,
0.8224

■ 49.6173, 42.4130,
100.1792

■ 49.6173, 42.4130,
100.1792

■ 41.2133, 32.1271,
98.6367

■ 59.6279, 54.8777,
102.0575

■ 34.3261, 23.8885,
97.4095

■ 71.3201, 69.6328,
104.2892

■ 28.8628, 17.5587,
96.4757

■ 84.7693, 86.7879,
106.8917

■ 24.7185, 12.9797,
95.8103

■ 95.0500, 100.0000,
108.9000

■ 21.7725, 9.9673,
95.3841

■ 19.8778, 8.2912,
95.1604

■ 19.4429, 7.9381,
95.1152

Harmonies

Analogous

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



40.6974, 42.4130, 112.2773



49.6173, 42.4130, 100.1792



56.7846, 42.4130, 73.1047

Triad

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



49.6173, 42.4130, 100.1792



48.8575, 42.4130, 15.6743



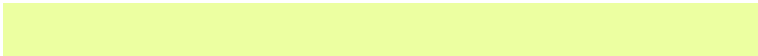
25.8326, 42.4130, 47.2888

Complementary

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



49.6173, 42.4130, 100.1792



76.7852, 91.9261, 47.4162

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.



27.3801, 42.4130, 26.8416



49.6173, 42.4130, 100.1792



39.9296, 42.4130, 12.9977

Square

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



49.6173, 42.4130, 100.1792



56.3035, 42.4130, 25.5370



32.2500, 42.4130, 16.2154



27.6778, 42.4130, 75.7220

Rectangle

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



49.6173, 42.4130, 100.1792



59.1477, 42.4130, 53.7709



32.2500, 42.4130, 16.2154



25.9715, 42.4130, 39.3404

Sweetspot

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



49.6187, 42.4146, 100.1794



78.9858, 79.3906, 105.7687



62.8018, 74.9039, 105.7556



16.5150, 16.4938, 22.5631



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.



49.6187, 42.4146, 100.1794



43.4596, 34.8558, 99.0450



62.4112, 49.0094, 100.7781



17.3459, 17.5545, 22.7241



10.2554, 4.1973, 49.7042



1.0826, 0.4520, 4.8435

Inverse Universe

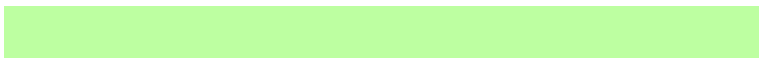
The Inverse Universe completely reimagines the original color for something new.



69.1256, 52.8069, 85.9059



65.6434, 46.6893, 82.1345



63.2298, 84.9380, 46.7818



18.6261, 18.2337, 21.9139



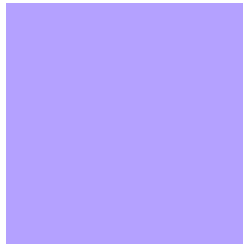
27.2648, 13.3952, 31.1085



2.6927, 1.3194, 3.2290

Previews

White Background



This preview shows how the XYZ color 49.6173, 42.4130, 100.1792 looks on a white background.

Color Contrast Check

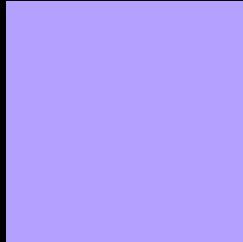
Large Text (above 18pt) WCAG AA × Fail

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 49.6173, 42.4130, 100.1792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

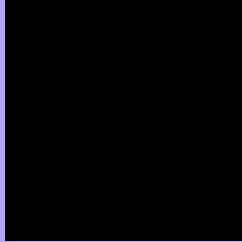
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6173, 42.4130, 100.1792

Background



This preview shows how black text looks on a background with the XYZ color 49.6173, 42.4130, 100.1792.



This preview shows how white text looks on a background with the XYZ color 49.6173, 42.4130,

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

49.6173, 42.4130, 100.1792

Protanopia

44.4670, 42.4568, 100.4591

Deuteranopia

43.8285, 42.7298, 98.8662



Tritanopia

40.4516, 42.5496, 54.2250

Trichromacy



Original Color

49.6173, 42.4130, 100.1792

Protanomaly

45.9693, 42.1265, 100.3161

Deuteranomaly

45.7877, 42.5996, 99.5752

Tritanomaly

43.3982, 42.3242, 68.8328

Monochromacy



Original Color

49.6173, 42.4130, 100.1792

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.9425, 42.9986, 63.7411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6173, 42.4130, 100.1792 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(180, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 161, 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(180, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 161, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.6173, 42.4130, 100.1792 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(180, 161, 255) }
```


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

```
.border{ border-color:rgb(180, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 161,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6173, 42.4130, 100.1792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 161, 255) }
```

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

```
.background{ background-color: rgb(180,  
161, 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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