

Converting Colors

XYZ(50.2831, 44.7057,
100.5866)

Have a look what the booklet for
XYZ(50.2831, 44.7057, 100.5866)
contains.

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Color

**XYZ(50.1841, 44.5724,
100.5661)**

Conversions

Conversions Part 1

Format	Color
Hex	B1A8FF
RGB	177, 168, 255
RGB Percent	69%, 66%, 100%
CMY	0.3059, 0.3412, 0.0000
CMYK	0.31, 0.34, 0.00, 0.00
HSL	246°, 100%, 83%
HSV	246°, 34%, 100%
XYZ	50.1841, 44.5724, 100.5661
YIQ	180.6090, -22.5630, 28.9650

Conversions

Conversions Part 2

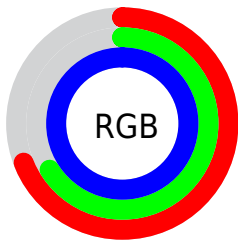
Format	Color
RYB	177, 168, 255
Decimal	11643135
CIELab	72.61, 22.18, -42.00
CIElCh	73, 47.497, 297.845
Yxy	44.5724, 0.2569, 0.2282
Android (android.graphics.Color)	4289833215 (0xFFB1A8FF)
YUV	180.6090, 36.6748, -3.1651
Hunter-Lab	66.7626, 17.3404, -42.5762

Details

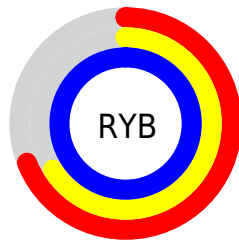
The XYZ color **50.1841, 44.5724, 100.5661** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.8342, 93.9401, 50.9193**, and the grayscale version is **43.5286, 45.7954, 49.8712**.

A 20% lighter version of the original color is **78.3694, 77.4878, 105.4339**, and **24.4645, 20.7056, 56.1332** is the 20% darker color. If you saturate the color by 10%, you get **41.1515, 33.6001, 98.9243**, and if you desaturate by 10%, it is **61.0149, 57.8437, 102.5569**.

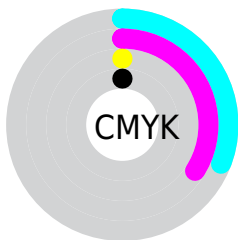
Distribution



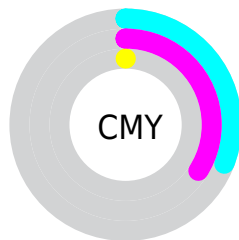
- Red (69%)
- Green (66%)
- Blue (100%)



- Red (69%)
- Yellow (66%)
- Blue (100%)



- Cyan (31%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1841, 44.5724, 100.5661 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 50.1841, 44.5724, 100.5661 by changing the saturation by 10% instead.

50.1841, 44.5724,
100.5661

50.1841, 44.5724,
100.5661

377.8255,
365.0390, 583.2683

35.7781, 31.1208,
76.1539

89.6378, 82.0784,
163.9936

24.4322, 20.6908,
56.0513

115.4162,
106.9015, 203.8459

15.7810, 12.8982,
39.8398

145.7161,
136.2839, 249.6820

9.4592, 7.3585,
27.1008

180.9028,
170.6100, 301.9205

5.1014, 3.6873,
17.4158

221.3418,
210.2642, 360.9798

2.3422, 1.5002,
10.3663

267.3983,

0.8161, 0.2889,

255.6308, 427.2785

5.5337

319.4378,
307.0943, 501.2351

■ 0.0000, 0.0000,
2.4995

■ 0.0000, 0.0000,
0.8399

■ 50.1841, 44.5724,
100.5661

■ 50.1841, 44.5724,
100.5661

■ 41.1515, 33.6001,
98.9243

■ 61.0149, 57.8437,
102.5569

■ 33.8151, 24.7910,
97.6106

■ 73.7299, 73.5295,
104.9144

■ 28.0695, 18.0029,
96.6032

■ 88.4145, 91.7434,
107.6560

■ 23.7954, 13.0742,
95.8772

■ 95.0500, 100.0000,
108.9000

■ 20.8563, 9.8185,
95.4036

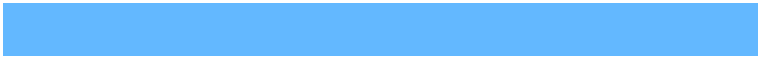
■ 19.0894, 8.0095,
95.1476

■ 18.4858, 7.4447,
95.0704

Harmonies

Analogous

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



41.7732, 44.5724, 109.2724



50.1841, 44.5724, 100.5661



57.2037, 44.5724, 76.8281

Triad

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



50.1841, 44.5724, 100.5661



51.3454, 44.5724, 19.4117



28.4522, 44.5724, 46.8495

Complementary

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



50.1841, 44.5724, 100.5661



80.8342, 93.9401, 50.9193

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.



30.3433, 44.5724, 28.2075



50.1841, 44.5724, 100.5661



42.9618, 44.5724, 15.8964

Square

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



50.1841, 44.5724, 100.5661



57.9329, 44.5724, 30.3110



35.4030, 44.5724, 18.5023



29.8700, 44.5724, 72.8928

Rectangle

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



50.1841, 44.5724, 100.5661



59.7700, 44.5724, 58.7001



35.4030, 44.5724, 18.5023



28.7162, 44.5724, 39.6112

Sweetspot

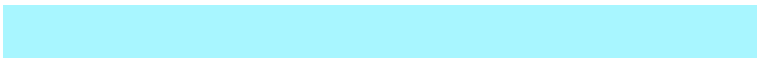
The Sweet Spot groups the original color and five complimentary colors.



50.1855, 44.5741, 100.5663



79.5314, 80.7146, 105.9955



67.2464, 81.6396, 106.8215



16.5909, 16.7408, 22.6068



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.



50.1855, 44.5741, 100.5663



43.7799, 36.7813, 99.3998



61.6295, 50.4736, 101.1019



17.1773, 17.4676, 22.7162



9.7157, 3.9191, 49.6790



1.0009, 0.4099, 4.8396

Inverse Universe

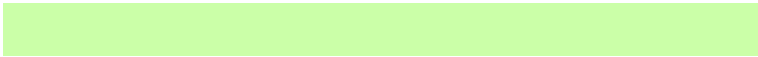
The Inverse Universe completely reimagines the original color for something new.



71.8778, 55.9204, 94.1941



68.5754, 49.7594, 91.7247



67.4029, 87.0160, 50.2907



18.7069, 18.2661, 22.3397



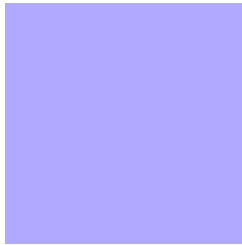
28.9439, 14.0668, 39.9504



2.8405, 1.3786, 4.0076

Previews

White Background



This preview shows how the XYZ color 50.1841, 44.5724, 100.5661 looks on a white background.

Color Contrast Check

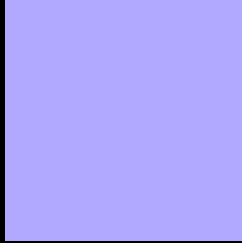
Large Text (above 18pt) WCAG AA × Fail

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 50.1841, 44.5724, 100.5661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

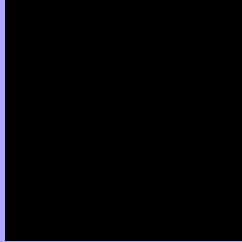
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1841, 44.5724, 100.5661

Background



This preview shows how black text looks on a background with the XYZ color 50.1841, 44.5724, 100.5661.



This preview shows how white text looks on a background with the XYZ color 50.1841, 44.5724,

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

50.1841, 44.5724, 100.5661

Protanopia

46.3289, 44.5553, 100.7660

Deuteranopia

45.8326, 44.6265, 99.1267



Tritanopia

41.3687, 44.4301, 57.4344

Trichromacy



Original Color

50.1841, 44.5724, 100.5661

Protanomaly

47.5005, 44.3021, 100.6554

Deuteranomaly

47.3302, 44.5165, 99.8639

Tritanomaly

44.2822, 44.4436, 71.2103

Monochromacy



Original Color

50.1841, 44.5724, 100.5661

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.7329, 45.3080, 66.0095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1841, 44.5724, 100.5661 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(177, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 168, 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(177, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 168, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.1841, 44.5724, 100.5661 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(177, 168, 255) }
```


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

```
.border{ border-color:rgb(177, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 168,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1841, 44.5724, 100.5661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 168, 255) }
```

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

```
.background{ background-color: rgb(177,  
168, 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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