

Converting Colors

XYZ(64.0170, 46.5869,
160.2121)

Have a look what the booklet for
XYZ(64.0170, 46.5869, 160.2121)
contains.

XYZ(52.4672, 41.8728, 99.9247) 3
 ***Conversions* 4**
 ***Details* 6**
 ***Harmonies* 12**
 ***Previews* 24**
 ***Color Blindness Simulation* 28**
 ***CSS Examples* 31**

Color

**XYZ(52.4672, 41.8728,
99.9247)**

Conversions

Conversions Part 1

Format	Color
Hex	C599FF
RGB	197, 153, 255
RGB Percent	77%, 60%, 100%
CMY	0.2274, 0.4000, 0.0000
CMYK	0.23, 0.40, 0.00, 0.00
HSL	266°, 100%, 80%
HSV	266°, 40%, 100%
XYZ	52.4672, 41.8728, 99.9247
YIQ	177.7840, -6.5180, 41.0500

Conversions

Conversions Part 2

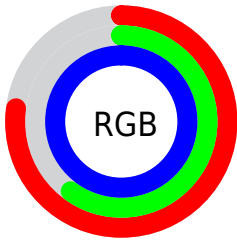
Format	Color
R_{YB}	197, 153, 255
Decimal	12950015
CIE _{Lab}	70.78, 36.09, -44.73
CIE _{LCh}	71, 57.478, 308.901
Yxy	41.8728, 0.2701, 0.2155
Android (android.graphics.Color)	4291140095 (0xFFC599FF)
YUV	177.7840, 38.0675, 16.8524
Hunter-Lab	64.7092, 31.4894, -46.2599

Details

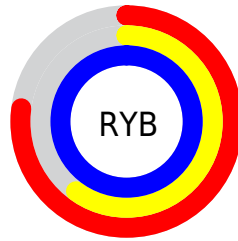
The XYZ color **52.4672, 41.8728, 99.9247** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.3743, 87.6690, 43.4567**, and the grayscale version is **42.0119, 44.1998, 48.1336**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **25.8312, 19.0473, 55.7411** is the 20% darker color. If you saturate the color by 10%, you get **45.1150, 32.5357, 98.5099**, and if you desaturate by 10%, it is **61.0790, 53.1849, 101.6542**.

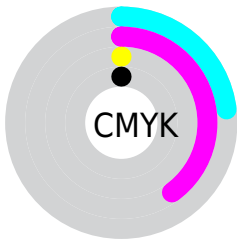
Distribution



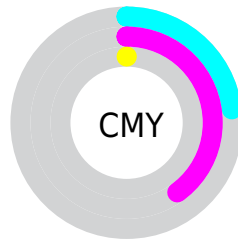
- Red (77%)
- Green (60%)
- Blue (100%)



- Red (77%)
- Yellow (60%)
- Blue (100%)



- Cyan (23%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (23%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4672, 41.8728, 99.9247 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 52.4672, 41.8728, 99.9247 by changing the saturation by 10% instead.


 52.4672, 41.8728,
99.9247


 52.4672, 41.8728,
99.9247


386.5320,
353.9554, 581.1958

 37.6034, 29.0017,
75.6211


 92.9900, 78.0071,
163.1047

 25.8508, 19.0821,
55.6171


 119.3798,
102.0390, 202.8181

 16.8442, 11.7296,
39.4941


150.3422,
130.5601, 248.5053

 10.2181, 6.5599,
26.8335

186.2427,
163.9546, 300.5848

 5.6072, 3.1884,
17.2169

227.4465,
202.6070, 359.4750

 2.6461, 1.2309,
10.2257

274.3191,

 0.9695, 0.0867,

246.9017, 425.5946

5.4413

327.2258,
297.2230, 499.3620

■ 0.0000, 0.0000,
2.4452

■ 0.0000, 0.0000,
0.8109

■ 52.4672, 41.8728,
99.9247

■ 52.4672, 41.8728,
99.9247

■ 45.1150, 32.5357,
98.5099

■ 61.0790, 53.1849,
101.6542

■ 38.9509, 25.0487,
97.3897

■ 71.0086, 66.5767,
103.7158

■ 33.9014, 19.2800,
96.5423

■ 82.3149, 82.1511,
106.1260

■ 29.8821, 15.0773,
95.9430

95.0500, 100.0000,
108.9000

■ 26.7937, 12.2597,
95.5619

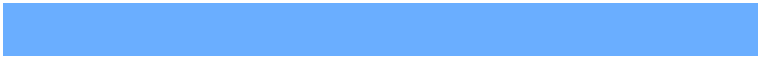
■ 24.4810, 10.5353,
95.3510

■ 24.4806, 10.5351,
95.3509

Harmonies

Analogous

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



42.7055, 41.8728, 119.6943



52.4672, 41.8728, 99.9247



59.4860, 41.8728, 67.2427

Triad

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



52.4672, 41.8728, 99.9247



46.7752, 41.8728, 12.0422



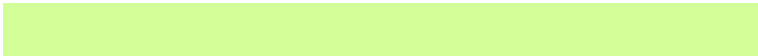
24.2859, 41.8728, 54.2147

Complementary

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



52.4672, 41.8728, 99.9247



68.3743, 87.6690, 43.4567

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.



25.0191, 41.8728, 29.1731



52.4672, 41.8728, 99.9247



37.0272, 41.8728, 10.8913

Square

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



52.4672, 41.8728, 99.9247



55.8518, 41.8728, 19.9168



29.3539, 41.8728, 15.7084



27.1605, 41.8728, 87.1869

Rectangle

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



52.4672, 41.8728, 99.9247



61.1039, 41.8728, 46.6077



29.3539, 41.8728, 15.7084



24.1297, 41.8728, 44.5919

Sweetspot

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



52.4686, 41.8744, 99.9249



79.9391, 78.8546, 105.6150



54.8566, 61.3308, 103.5545



16.7849, 16.4281, 22.5362



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.



52.4686, 41.8744, 99.9249



46.4873, 34.2500, 98.7685



67.6236, 49.6871, 100.6342



17.7462, 17.7609, 22.7428



12.9550, 5.5890, 49.8306



1.3837, 0.6072, 4.8575

Inverse Universe

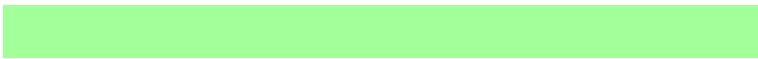
The Inverse Universe completely reimagines the original color for something new.



64.3898, 48.7469, 67.6440



60.2571, 42.1994, 60.9702



56.3097, 81.4495, 42.8921



18.4422, 18.1602, 20.9456



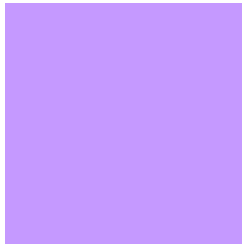
24.2956, 12.2075, 15.4729



2.4204, 1.2105, 1.7952

Previews

White Background



This preview shows how the XYZ color 52.4672, 41.8728, 99.9247 looks on a white background.

Color Contrast Check

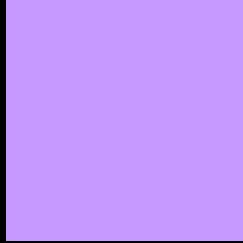
Large Text (above 18pt) WCAG AA × Fail

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 52.4672, 41.8728, 99.9247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

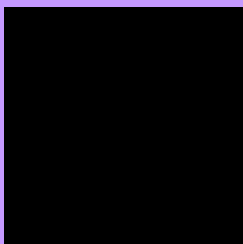
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.4672, 41.8728, 99.9247

Background



This preview shows how black text looks on a background with the XYZ color 52.4672, 41.8728, 99.9247.



This preview shows how white text looks on a background with the XYZ color 52.4672, 41.8728,

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

52.4672, 41.8728, 99.9247

Protanopia

44.1145, 42.2751, 100.4426

Deuteranopia

43.3204, 42.2209, 97.1330



Tritanopia

42.3986, 41.9437, 50.1173

Trichromacy



Original Color

52.4672, 41.8728, 99.9247



Protanomaly

46.4297, 41.5574, 100.1820



Deuteranomaly

45.9261, 41.6199, 97.7083

Tritanomaly

45.5921, 41.6167, 65.9515

Monochromacy



Original Color

52.4672, 41.8728, 99.9247



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

45.3361, 43.1465, 64.3311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4672, 41.8728, 99.9247 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(197, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 153, 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(197, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.4672, 41.8728, 99.9247 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(197, 153, 255) }
```


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

```
.border{ border-color:rgb(197, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 153,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4672, 41.8728, 99.9247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 153, 255) }
```

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

```
.background{ background-color: rgb(197,  
153, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor