

Converting Colors

XYZ(63.7304, 52.3470,
101.3528)

Have a look what the booklet for
XYZ(63.7304, 52.3470, 101.3528)
contains.

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Color

**XYZ(63.6642, 52.3534,
101.3575)**

Conversions

Conversions Part 1

Format	Color
Hex	E1ABFF
RGB	225, 171, 255
RGB Percent	88%, 67%, 100%
CMY	0.1176, 0.3294, 0.0000
CMYK	0.12, 0.33, 0.00, 0.00
HSL	279°, 100%, 84%
HSV	279°, 33%, 100%
XYZ	63.6642, 52.3534, 101.3575
YIQ	196.7220, 5.2200, 37.5720

Conversions

Conversions Part 2

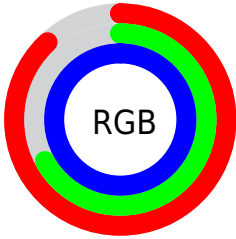
Format	Color
R_{YB}	225, 171, 255
Decimal	14789631
CIE _{Lab}	77.49, 34.50, -34.09
CIE _{LCh}	77, 48.498, 315.340
Yxy	52.3534, 0.2929, 0.2408
Android (android.graphics.Color)	4292979711 (0xFFE1ABFF)
YUV	196.7220, 28.7311, 24.7998
Hunter-Lab	72.3556, 30.4360, -32.4059

Details

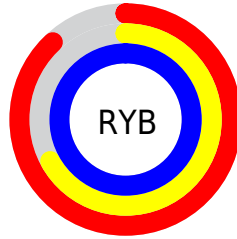
The XYZ color **63.6642, 52.3534, 101.3575** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.1993, 86.8784, 51.7579**, and the grayscale version is **52.7350, 55.4813, 60.4191**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **33.0337, 25.4691, 56.6010** is the 20% darker color. If you saturate the color by 10%, you get **56.5406, 42.2084, 99.7748**, and if you desaturate by 10%, it is **71.8715, 64.4389, 103.2577**.

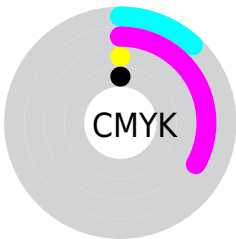
Distribution



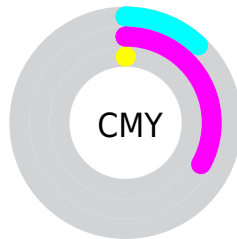
- Red (88%)
- Green (67%)
- Blue (100%)



- Red (88%)
- Yellow (67%)
- Blue (100%)



- Cyan (12%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6642, 52.3534, 101.3575 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 63.6642, 52.3534, 101.3575 by changing the saturation by 10% instead.


 63.6642, 52.3534,
101.3575

 63.6642, 52.3534,
101.3575


427.5975,
395.7994, 585.8200

 46.6394, 37.2868,
76.8115


 109.2036, 93.6522,
165.0896

 32.9574, 25.4297,
56.5876


138.4490,
120.6533, 205.1128

 22.2529, 16.3975,
40.2671


172.4986,
152.4013, 251.1321

 14.1605, 9.8058,
27.4315

211.7177,
189.2806, 303.5661

 8.3148, 5.2704,
17.6622

256.4719,
231.6757, 362.8334

 4.3505, 2.4068,
10.5408

307.1263,

 1.9023, 0.8294,

279.9710, 429.3524

5.6487

364.0464,
334.5507, 503.5418

■ 0.5782, 0.0000,
2.5674

■ 0.0000, 0.0000,
0.8755

■ 63.6642, 52.3534,
101.3575

■ 63.6642, 52.3534,
101.3575

■ 56.5406, 42.2084,
99.7748

■ 71.8715, 64.4389,
103.2577

■ 50.4399, 33.8890,
98.4905

■ 81.2094, 78.5583,
105.4908

■ 45.3024, 27.2779,
97.4852

■ 91.7274, 94.8066,
108.0727

■ 41.0591, 22.2412,
96.7367

■ 95.0500, 100.0000,
108.9000

■ 37.6308, 18.6241,
96.2192

■ 34.9218, 16.2389,
95.9016

■ 33.3452, 15.1050,
95.7658

Harmonies

Analogous

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



54.6659, 52.3534, 122.4128



63.6642, 52.3534, 101.3575



69.2433, 52.3534, 71.0426

Triad

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



63.6642, 52.3534, 101.3575



54.4471, 52.3534, 20.3098



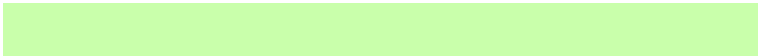
34.3677, 52.3534, 71.7274

Complementary

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



63.6642, 52.3534, 101.3575



67.1993, 86.8784, 51.7579

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.



34.3247, 52.3534, 44.9484



63.6642, 52.3534, 101.3575



45.1574, 52.3534, 20.3893

Square

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



63.6642, 52.3534, 101.3575



63.4868, 52.3534, 27.6799



38.0442, 52.3534, 27.9473



38.1704, 52.3534, 101.9921

Rectangle

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



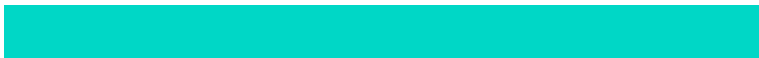
63.6642, 52.3534, 101.3575



69.8771, 52.3534, 52.3485



38.0442, 52.3534, 27.9473



33.9304, 52.3534, 61.9275

Sweetspot

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



63.6658, 52.3555, 101.3578



84.1763, 83.1092, 106.2129



55.9200, 58.0272, 102.8608



17.7108, 17.3181, 22.6592



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.



63.6658, 52.3555, 101.3578



58.5260, 44.9962, 100.2082



72.1027, 56.9072, 92.6133



18.1264, 17.9569, 22.7606



17.5923, 7.9796, 50.0476



1.8321, 0.8384, 4.8785

Inverse Universe

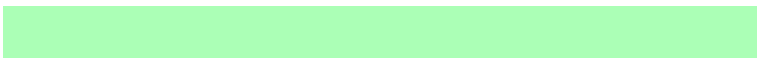
The Inverse Universe completely reimagines the original color for something new.



66.3468, 54.6048, 62.3031



61.8631, 47.7352, 54.3415



61.0203, 83.5643, 57.2801



18.2774, 18.0943, 20.0777



22.6015, 11.5299, 6.5517



2.2505, 1.1426, 0.9004

Previews

White Background



This preview shows how the XYZ color 63.6642, 52.3534, 101.3575 looks on a white background.

Color Contrast Check

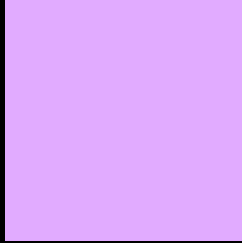
Large Text (above 18pt) WCAG AA × Fail

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 63.6642, 52.3534, 101.3575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

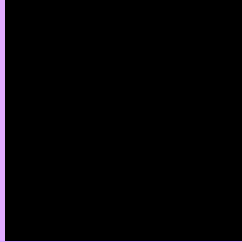
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.6642, 52.3534, 101.3575

Background



This preview shows how black text looks on a background with the XYZ color 63.6642, 52.3534, 101.3575.



This preview shows how white text looks on a background with the XYZ color 63.6642, 52.3534,

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

63.6642, 52.3534, 101.3575

Protanopia

53.6970, 52.9311, 101.9943

Deuteranopia

54.1284, 52.8884, 99.4511



Tritanopia

55.3304, 52.4971, 60.0401

Trichromacy



Original Color

63.6642, 52.3534, 101.3575



Protanomaly

56.7217, 52.2934, 101.7118



Deuteranomaly

56.9632, 52.1498, 99.9921

Tritanomaly

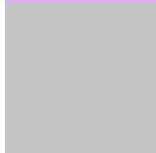
57.9884, 52.3622, 73.3803

Monochromacy



Original Color

63.6642, 52.3534, 101.3575



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

56.3702, 54.2938, 73.8384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6642, 52.3534, 101.3575 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(225, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 171, 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(225, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.6642, 52.3534, 101.3575 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(225, 171, 255) }
```


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

```
.border{ border-color:rgb(225, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 171,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6642, 52.3534, 101.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 171, 255) }
```

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

```
.background{ background-color: rgb(225,  
171, 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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