

Converting Colors

XYZ(64.9712, 48.4071,
162.9454)

Have a look what the booklet for
XYZ(64.9712, 48.4071, 162.9454)
contains.

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Color

**XYZ(53.2131, 43.7520,
100.2481)**

Conversions

Conversions Part 1

Format	Color
Hex	C49FFF
RGB	196, 159, 255
RGB Percent	77%, 62%, 100%
CMY	0.2314, 0.3765, 0.0000
CMYK	0.23, 0.38, 0.00, 0.00
HSL	263°, 100%, 81%
HSV	263°, 38%, 100%
XYZ	53.2131, 43.7520, 100.2481
YIQ	181.0070, -8.7640, 37.7000

Conversions

Conversions Part 2

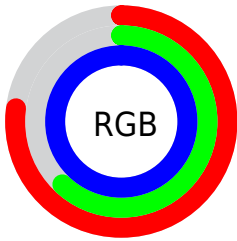
Format	Color
RYB	196, 159, 255
Decimal	12886015
CIELab	72.06, 32.52, -42.74
CIElCh	72, 53.698, 307.266
Yxy	43.7520, 0.2698, 0.2219
Android (android.graphics.Color)	4291076095 (0xFFC49FFF)
YUV	181.0070, 36.4785, 13.1489
Hunter-Lab	66.1453, 27.8469, -43.5567

Details

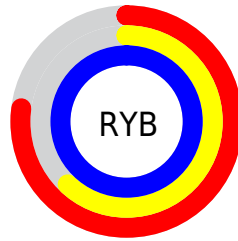
The XYZ color **53.2131, 43.7520, 100.2481** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.9319, 88.9288, 46.2290**, and the grayscale version is **43.7385, 46.0163, 50.1118**.

A 20% lighter version of the original color is **82.9696, 76.3840, 104.9783**, and **26.2660, 20.1681, 55.9345** is the 20% darker color. If you saturate the color by 10%, you get **45.4063, 33.8764, 98.7534**, and if you desaturate by 10%, it is **62.3530, 55.6593, 102.0647**.

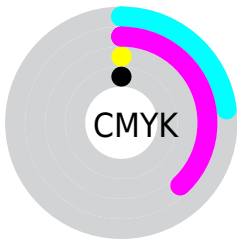
Distribution



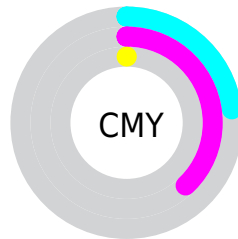
- Red (77%)
- Green (62%)
- Blue (100%)



- Red (77%)
- Yellow (62%)
- Blue (100%)



- Cyan (23%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2131, 43.7520, 100.2481 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 53.2131, 43.7520, 100.2481 by changing the saturation by 10% instead.

53.2131, 43.7520,
100.2481

53.2131, 43.7520,
100.2481

389.3497,
361.6953, 582.2413

38.2011, 30.4756,
75.8897

94.0816, 80.8444,
163.5529

26.3167, 20.1999,
55.8360

120.6687,
105.4292, 203.3365

17.1946, 12.5404,
39.6683

151.8449,
134.5523, 249.0988

10.4695, 7.1128,
26.9682

187.9756,
168.5980, 301.2585

5.7760, 3.5328,
17.3171

229.4260,
207.9508, 360.2340

2.7487, 1.4158,
10.2965

276.5616,

1.0223, 0.2283,

252.9950, 426.4440

5.4878

329.7477,
304.1150, 500.3069

■ 0.0000, 0.0000,
2.4725

■ 0.0000, 0.0000,
0.8255

■ 53.2131, 43.7520,
100.2481

■ 53.2131, 43.7520,
100.2481

■ 45.4063, 33.8764,
98.7534

■ 62.3530, 55.6593,
102.0647

■ 38.8593, 25.9088,
97.5605

■ 72.8854, 69.7022,
104.2201

■ 33.4977, 19.7193,
96.6484

■ 84.8711, 85.9833,
106.7310

■ 29.2362, 15.1590,
95.9928

95.0500, 100.0000,
108.9000

■ 25.9763, 12.0532,
95.5651

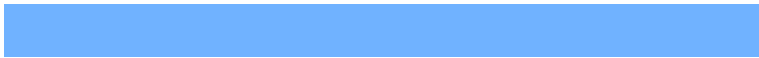
■ 23.5916, 10.1735,
95.3280

■ 23.1177, 9.8325,
95.2872

Harmonies

Analogous

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



43.8572, 43.7520, 117.4248



53.2131, 43.7520, 100.2481



60.0788, 43.7520, 69.9634

Triad

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



53.2131, 43.7520, 100.2481



48.7852, 43.7520, 14.5736



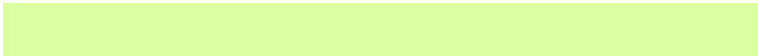
26.4198, 43.7520, 54.3212

Complementary

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



53.2131, 43.7520, 100.2481



70.9319, 88.9288, 46.2290

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.



27.3388, 43.7520, 30.6532



53.2131, 43.7520, 100.2481



39.3926, 43.7520, 13.0327

Square

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



53.2131, 43.7520, 100.2481



57.2712, 43.7520, 23.1193



31.7877, 43.7520, 17.6728



29.0614, 43.7520, 85.2661

Rectangle

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



53.2131, 43.7520, 100.2481



61.8221, 43.7520, 50.0906



31.7877, 43.7520, 17.6728



26.3300, 43.7520, 45.2678

Sweetspot

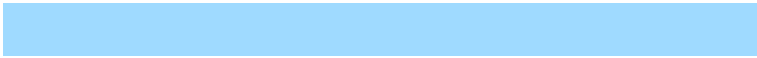
The Sweet Spot groups the original color and five complimentary colors.



53.2145, 43.7537, 100.2483



80.6852, 80.2667, 105.8482



57.4724, 64.8386, 104.0937



16.9180, 16.7016, 22.5820



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.



53.2145, 43.7537, 100.2483



47.3464, 36.2988, 99.1187



67.6878, 51.2149, 100.9257



17.6649, 17.7190, 22.7390



12.2335, 5.2171, 49.7968



1.3087, 0.5686, 4.8540

Inverse Universe

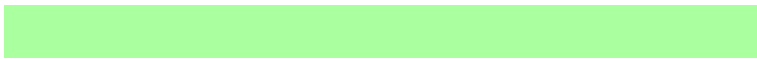
The Inverse Universe completely reimagines the original color for something new.



66.2937, 51.1195, 72.7030



62.3840, 44.7811, 66.8341



58.6398, 82.5920, 45.6537



18.4786, 18.1747, 21.1374



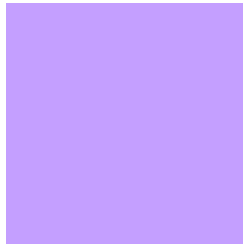
24.7914, 12.4058, 18.0836



2.4673, 1.2293, 2.0423

Previews

White Background



This preview shows how the XYZ color 53.2131, 43.7520, 100.2481 looks on a white background.

Color Contrast Check

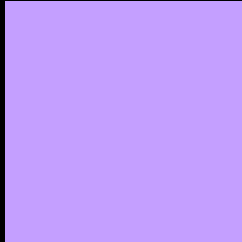
Large Text (above 18pt) WCAG AA × Fail

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 53.2131, 43.7520, 100.2481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

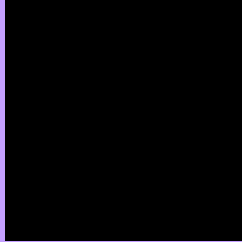
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.2131, 43.7520, 100.2481

Background



This preview shows how black text looks on a background with the XYZ color 53.2131, 43.7520, 100.2481.



This preview shows how white text looks on a background with the XYZ color 53.2131, 43.7520,

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

53.2131, 43.7520, 100.2481

Protanopia

45.7637, 43.9761, 100.6840

Deuteranopia

45.2951, 44.0778, 98.2160



Tritanopia

43.6804, 43.6653, 53.1398

Trichromacy



Original Color

53.2131, 43.7520, 100.2481

Protanomaly

48.1743, 43.8114, 100.5251

Deuteranomaly

47.6435, 43.5748, 98.8282

Tritanomaly

46.6253, 43.4501, 68.2166

Monochromacy



Original Color

53.2131, 43.7520, 100.2481

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

46.5784, 44.8803, 65.8823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2131, 43.7520, 100.2481 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(196, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 159, 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(196, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 159, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.2131, 43.7520, 100.2481 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(196, 159, 255) }
```


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

```
.border{ border-color:rgb(196, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 159,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2131, 43.7520, 100.2481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 159, 255) }
```

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

```
.background{ background-color: rgb(196,  
159, 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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