

Converting Colors

XYZ(49.5983, 45.2333,
100.7245)

Have a look what the booklet for
XYZ(49.5983, 45.2333, 100.7245)
contains.

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Color

**XYZ(49.4075, 45.0037,
100.6903)**

Conversions

Conversions Part 1

Format	Color
Hex	ABABFF
RGB	171, 171, 255
RGB Percent	67%, 67%, 100%
CMY	0.3294, 0.3294, 0.0000
CMYK	0.33, 0.33, 0.00, 0.00
HSL	240°, 100%, 84%
HSV	240°, 33%, 100%
XYZ	49.4075, 45.0037, 100.6903
YIQ	180.5760, -26.9640, 26.1240

Conversions

Conversions Part 2

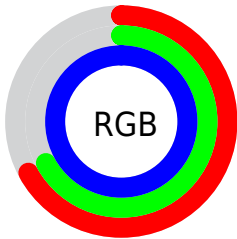
Format	Color
RYB	171, 171, 255
Decimal	11250687
CIELab	72.89, 18.86, -41.59
CIElCh	73, 45.664, 294.397
Yxy	45.0037, 0.2532, 0.2307
Android (android.graphics.Color)	4289440767 (0xFFABABFF)
YUV	180.5760, 36.6910, -8.3982
Hunter-Lab	67.0848, 14.0656, -42.0314

Details

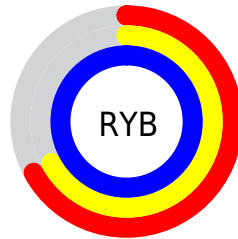
The XYZ color **49.4075, 45.0037, 100.6903** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **84.3507, 95.7202, 52.5597**, and the grayscale version is **43.5124, 45.7784, 49.8527**.

A 20% lighter version of the original color is **77.2413, 78.1067, 105.6128**, and **23.9923, 20.9839, 56.2118** is the 20% darker color. If you saturate the color by 10%, you get **40.0185, 33.6905, 99.0015**, and if you desaturate by 10%, it is **60.7998, 58.7306, 102.7394**.

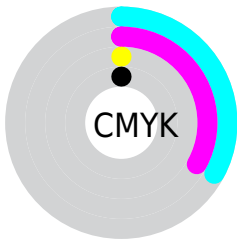
Distribution



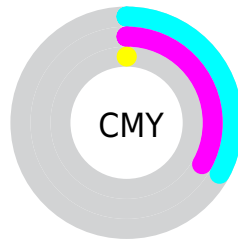
- Red (67%)
- Green (67%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4075, 45.0037, 100.6903 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 49.4075, 45.0037, 100.6903 by changing the saturation by 10% instead.

■ 49.4075, 45.0037,
100.6903

■ 49.4075, 45.0037,
100.6903

374.8348,
366.7885, 583.6691

■ 35.1587, 31.4603,
76.2571

■ 88.4935, 82.7260,
164.1656

■ 23.9522, 20.9496,
56.1354

114.0614,
107.6737, 204.0448

■ 15.4227, 13.0872,
39.9068

144.1330,
137.1916, 249.9097

■ 9.2049, 7.4886,
27.1526

179.0737,
171.6641, 302.1789

■ 4.9332, 3.7695,
17.4544

219.2489,
211.4757, 361.2709

■ 2.2425, 1.5455,
10.3936

265.0239,

■ 0.7650, 0.3204,

257.0107, 427.6042

5.5517

316.7641,
308.6535, 501.5975

■ 0.0000, 0.0000,
2.5101

■ 0.0000, 0.0000,
0.8455

■ 49.4075, 45.0037,
100.6903

■ 49.4075, 45.0037,
100.6903

■ 40.0185, 33.6905,
99.0015

■ 60.7998, 58.7306,
102.7394

■ 32.5132, 24.6471,
97.6515

■ 74.2973, 74.9943,
105.1672

■ 26.7656, 17.7216,
96.6177

■ 90.0003, 93.9154,
107.9917

■ 22.6329, 12.7420,
95.8743

■ 95.0500, 100.0000,
108.9000

■ 19.9499, 9.5091,
95.3917

■ 18.5159, 7.7814,
95.1338

■ 18.0500, 7.2200,
95.0500

Harmonies

Analogous

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



41.2987, 45.0037, 106.7923



49.4075, 45.0037, 100.6903



56.4527, 45.0037, 79.1777

Triad

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



49.4075, 45.0037, 100.6903



52.3098, 45.0037, 21.3205



29.2885, 45.0037, 44.8480

Complementary

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



49.4075, 45.0037, 100.6903



84.3507, 95.7202, 52.5597

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.



31.5064, 45.0037, 27.6703



49.4075, 45.0037, 100.6903



44.2854, 45.0037, 17.0598

Square

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



49.4075, 45.0037, 100.6903



58.2684, 45.0037, 33.0456



36.7637, 45.0037, 18.9580



30.3041, 45.0037, 69.4098

Rectangle

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



49.4075, 45.0037, 100.6903



59.2595, 45.0037, 61.7514



36.7637, 45.0037, 18.9580



29.6712, 45.0037, 38.1396

Sweetspot

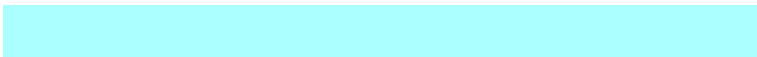
The Sweet Spot groups the original color and five complimentary colors.



49.4089, 45.0054, 100.6905



78.6808, 80.2762, 105.9557



70.6053, 87.3983, 107.7560



16.3873, 16.6358, 22.5973



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.



49.4089, 45.0054, 100.6905



42.5783, 36.7749, 99.4619



60.0545, 50.4934, 101.1887



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Inverse Universe

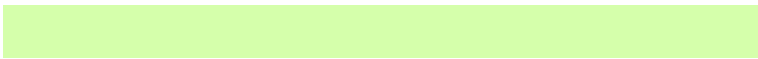
The Inverse Universe completely reimagines the original color for something new.



73.8534, 57.6069, 101.8338



70.6811, 51.2624, 100.7763



70.5520, 88.6068, 51.9140



18.7928, 18.3004, 22.7918



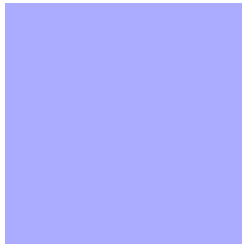
30.9801, 14.8813, 50.6731



3.0164, 1.4489, 4.9339

Previews

White Background



This preview shows how the XYZ color 49.4075, 45.0037, 100.6903 looks on a white background.

Color Contrast Check

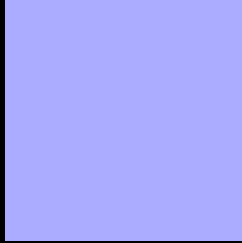
Large Text (above 18pt) WCAG AA × Fail

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 49.4075, 45.0037, 100.6903 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 49.4075, 45.0037, 100.6903

Background



This preview shows how black text looks on a background with the XYZ color 49.4075, 45.0037, 100.6903.



This preview shows how white text looks on a background with the XYZ color 49.4075, 45.0037,

100.6903.

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

49.4075, 45.0037, 100.6903

Protanopia

46.7122, 45.0430, 100.8399

Deuteranopia

46.3740, 45.1793, 100.0422



Tritanopia

40.9065, 44.7562, 59.3061

Trichromacy



Original Color

49.4075, 45.0037, 100.6903

Protanomaly

47.6833, 44.9657, 100.7738

Deuteranomaly

47.3199, 45.0848, 99.9741

Tritanomaly

43.6795, 44.6893, 72.6534

Monochromacy



Original Color

49.4075, 45.0037, 100.6903

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.2388, 45.3455, 66.0427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4075, 45.0037, 100.6903 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(171, 171, 255)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 49.4075, 45.0037, 100.6903 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(171, 171, 255) }
```


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

```
.border{ border-color:rgb(171, 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(171, 171, 255)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 49.4075, 45.0037, 100.6903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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