

Converting Colors

XYZ(45.6587, 45.4660, 64.6236)

Have a look what the booklet for
XYZ(45.6587, 45.4660, 64.6236)
contains.

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Color

**XYZ(45.6851, 45.6038,
64.7871)**

Conversions

Conversions Part 1

Format	Color
Hex	B4B1CE
RGB	180, 177, 206
RGB Percent	71%, 69%, 81%
CMY	0.2941, 0.3059, 0.1922
CMYK	0.13, 0.14, 0.00, 0.19
HSL	246°, 23%, 75%
HSV	246°, 14%, 81%
XYZ	45.6851, 45.6038, 64.7871
YIQ	181.2030, -7.5210, 9.6550

Conversions

Conversions Part 2

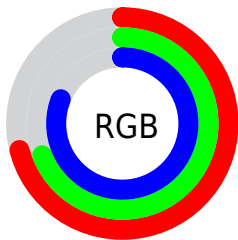
Format	Color
R_{YB}	180, 177, 206
Decimal	11841998
CIE _{Lab}	73.29, 6.80, -14.27
CIE _{LCh}	73, 15.813, 295.489
Yxy	45.6038, 0.2927, 0.2922
Android (android.graphics.Color)	4290032078 (0xFFB4B1CE)
YUV	181.2030, 12.2249, -1.0550
Hunter-Lab	67.5306, 2.5785, -9.6099

Details

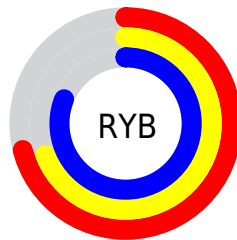
The XYZ color **45.6851, 45.6038, 64.7871** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.6374, 60.0147, 50.3014**, and the grayscale version is **43.9707, 46.2607, 50.3778**.

A 20% lighter version of the original color is **81.7810, 83.3307, 106.3819**, and **21.6275, 21.1943, 32.6568** is the 20% darker color. If you saturate the color by 10%, you get **37.9024, 36.0014, 63.3446**, and if you desaturate by 10%, it is **54.6579, 56.7338, 66.4632**.

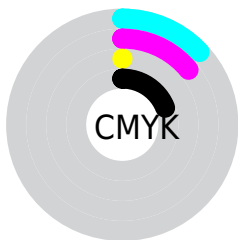
Distribution



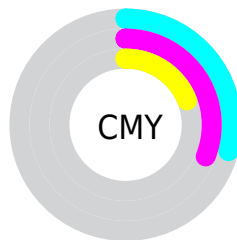
- Red (71%)
- Green (69%)
- Blue (81%)



- Red (71%)
- Yellow (69%)
- Blue (81%)



- Cyan (13%)
- Magenta (14%)
- Yellow (0%)
- Black (19%)



- Cyan (29%)
- Magenta (31%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6851, 45.6038, 64.7871 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 45.6851, 45.6038, 64.7871 by changing the saturation by 10% instead.

■ 45.6851, 45.6038,
64.7871

■ 45.6851, 45.6038,
64.7871

360.2784,
369.2135, 460.3118

■ 32.2010, 31.9333,
46.8382

■ 82.9783, 83.6257,
113.3541

■ 21.6713, 21.3105,
32.5543

107.5180,
108.7460, 144.8092

■ 13.7309, 13.3512,
21.5170

136.4737,
138.4515, 181.6036

■ 8.0142, 7.6708,
13.3075

170.2107,
173.1268, 224.1556

■ 4.1559, 3.8850,
7.5074

209.0943,
213.1563, 272.8839

■ 1.7907, 1.6095,
3.6982

253.4898,

■ 0.5121, 0.3640,

258.9243, 328.2070

1.4613

303.7628,
310.8152, 390.5434

■ 0.0000, 0.0000,
0.1888

■ 0.0000, 0.0000,
0.0000

■ 45.6851, 45.6038,
64.7871

■ 45.6851, 45.6038,
64.7871

■ 37.9024, 36.0014,
63.3446

■ 54.6579, 56.7338,
66.4632

■ 31.2555, 27.8545,
62.1224

■ 64.8634, 69.4481,
68.3794

■ 25.6925, 21.0935,
61.1106

■ 76.3476, 83.8074,
70.5458

■ 21.1554, 15.6410,
60.2973

■ 87.7312, 97.0252,
72.4971

■ 17.5811, 11.4120,
59.6694

■ 88.1407, 97.2363,
72.5162

■ 14.8992, 8.3112,
59.2122

■ 13.0297, 6.2294,
58.9089

■ 11.8778, 5.0351,
58.7391

■ 11.4563, 4.6190,
58.6810

Harmonies

Analogous

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



42.9261, 45.6038, 66.5240



45.6851, 45.6038, 64.7871



47.8983, 45.6038, 58.8384

Triad

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



45.6851, 45.6038, 64.7871



46.4431, 45.6038, 38.0834



38.2340, 45.6038, 48.4609

Complementary

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



45.6851, 45.6038, 64.7871



54.6374, 60.0147, 50.3014

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.



39.0899, 45.6038, 41.4802



45.6851, 45.6038, 64.7871



43.7667, 45.6038, 35.9095

Square

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



45.6851, 45.6038, 64.7871



48.3489, 45.6038, 43.3569



41.0863, 45.6038, 37.0838



38.6989, 45.6038, 56.5348

Rectangle

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



45.6851, 45.6038, 64.7871



48.7258, 45.6038, 53.5884



41.0863, 45.6038, 37.0838



38.3757, 45.6038, 45.9185

Sweetspot

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



45.6865, 45.6057, 64.7881



88.5969, 91.9704, 107.6902



50.6530, 56.5637, 66.6415



18.7115, 19.3724, 23.0030



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.



45.6865, 45.6057, 64.7881



69.8639, 68.7511, 104.1958



49.2152, 47.4248, 64.9533



10.7076, 10.8986, 14.1097



7.0936, 2.8644, 36.1353



0.4034, 0.1671, 1.8659

Inverse Universe

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



51.9568, 48.8798, 63.1984



82.0328, 75.1069, 101.0428



50.8957, 58.0858, 50.1263



11.6356, 11.3830, 13.8818



21.0676, 10.2376, 29.1385



1.1016, 0.5340, 1.5809

Previews

White Background



This preview shows how the XYZ color 45.6851, 45.6038, 64.7871 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 45.6851, 45.6038, 64.7871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

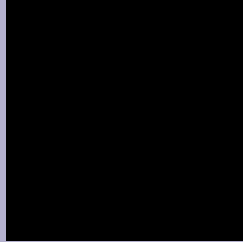
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6851, 45.6038, 64.7871

Background



This preview shows how black text looks on a background with the XYZ color 45.6851, 45.6038, 64.7871.



This preview shows how white text looks on a background with the XYZ color 45.6851, 45.6038,

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

45.6851, 45.6038, 64.7871

Protanopia

44.8621, 45.4597, 65.4416

Deuteranopia

46.4781, 45.4305, 64.7118



Tritanopia

44.1058, 45.5554, 56.9205

Trichromacy



Original Color

45.6851, 45.6038, 64.7871

Protanomaly

45.3143, 45.6929, 65.4628

Deuteranomaly

46.1944, 45.5742, 64.7545

Tritanomaly

44.7038, 45.5017, 59.8526

Monochromacy



Original Color

45.6851, 45.6038, 64.7871

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.6716, 46.1840, 55.2752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6851, 45.6038, 64.7871 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(180, 177, 206)` looks like.

```
.text, #text, p{  
    color:rgb(180, 177, 206)  
}
```

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(180, 177, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 177, 206) }
```

Border

The CSS property to change the border of an element to XYZ 45.6851, 45.6038, 64.7871 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(180, 177, 206) }
```


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

```
.border{ border-color:rgb(180, 177, 206) }
```

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

Here you see how a box with a 4 pixel rgb(180, 177, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 177, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 177, 206);  
box-shadow:4px 4px 4px 4px rgb(180, 177,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6851, 45.6038, 64.7871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 177, 206) }
```

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

```
.background{ background-color: rgb(180,  
177, 206) }
```

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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