

Converting Colors

XYZ(47.2230, 44.8121, 64.4955)

Have a look what the booklet for
XYZ(47.2230, 44.8121, 64.4955)
contains.

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Color

**XYZ(47.1893, 44.6584,
64.5253)**

Conversions

Conversions Part 1

Format	Color
Hex	BFABCE
RGB	191, 171, 206
RGB Percent	75%, 67%, 81%
CMY	0.2510, 0.3294, 0.1922
CMYK	0.07, 0.17, 0.00, 0.19
HSL	274°, 26%, 74%
HSV	274°, 17%, 81%
XYZ	47.1893, 44.6584, 64.5253
YIQ	180.9700, 0.6850, 15.1250

Conversions

Conversions Part 2

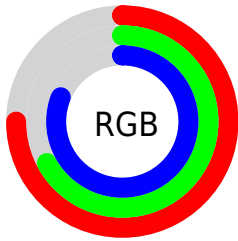
Format	Color
R_{YB}	191, 171, 206
Decimal	12561358
CIE Lab	72.67, 13.74, -15.12
CIE LCh	73, 20.426, 312.256
Yxy	44.6584, 0.3018, 0.2856
Android (android.graphics.Color)	4290751438 (0xFFBFABCE)
YUV	180.9700, 12.3398, 8.7963
Hunter-Lab	66.8269, 9.0992, -10.4691

Details

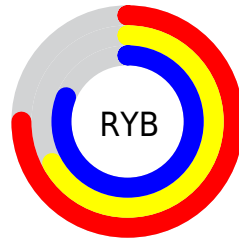
The XYZ color **47.1893, 44.6584, 64.5253** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.6733, 57.5232, 47.0153**, and the grayscale version is **43.8411, 46.1242, 50.2293**.

A 20% lighter version of the original color is **83.9578, 81.5692, 105.9271**, and **22.5808, 20.7790, 32.5264** is the 20% darker color. If you saturate the color by 10%, you get **41.4438, 36.3643, 63.2279**, and if you desaturate by 10%, it is **53.6778, 54.2381, 66.0331**.

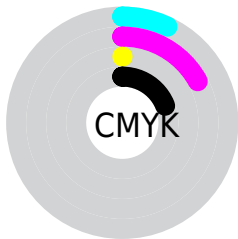
Distribution



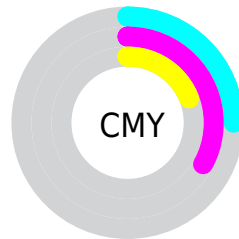
- Red (75%)
- Green (67%)
- Blue (81%)



- Red (75%)
- Yellow (67%)
- Blue (81%)



- Cyan (7%)
- Magenta (17%)
- Yellow (0%)
- Black (19%)



- Cyan (25%)
- Magenta (33%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1893, 44.6584, 64.5253 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 47.1893, 44.6584, 64.5253 by changing the saturation by 10% instead.

■ 47.1893, 44.6584,
64.5253

■ 47.1893, 44.6584,
64.5253

366.2059,
365.3883, 459.3436

■ 33.3939, 31.1884,
46.6274

■ 85.2131, 82.2076,
112.9738

■ 22.5890, 20.7424,
32.3889

110.1723,
107.0556, 144.3615

■ 14.4094, 12.9358,
21.3915

139.5834,
136.4650, 181.0829

■ 8.4895, 7.3844,
13.2164

173.8119,
170.8204, 223.5564

■ 4.4642, 3.7036,
7.4453

213.2230,
210.5060, 272.2008

■ 1.9679, 1.5092,
3.6595

258.1821,

■ 0.6159, 0.2952,

255.9062, 327.4344

1.4404

309.0547,
307.4056, 389.6758

■ 0.0000, 0.0000,
0.1730

■ 0.0000, 0.0000,
0.0000

■ 47.1893, 44.6584,
64.5253

■ 47.1893, 44.6584,
64.5253

■ 41.4438, 36.3643,
63.2279

■ 53.6778, 54.2381,
66.0331

■ 36.4068, 29.2929,
62.1284

■ 60.9337, 65.1513,
67.7571

■ 32.0472, 23.3844,
61.2178

■ 68.9852, 77.4503,
69.7067

■ 28.3295, 18.5718,
60.4848

■ 77.8579, 91.1829,
71.8897

■ 25.2148, 14.7807,
59.9172

■ 81.2104, 93.6636,
72.1918

■ 22.6590, 11.9272,
59.5011

■ 84.2009, 95.2052,
72.3318

■ 20.6114, 9.9137,
59.2204

■ 87.3381, 96.8225,
72.4786

■ 19.0049, 8.6104,
59.0535

■ 88.1407, 97.2363,
72.5162

■ 18.5724, 8.2875,
59.0140

Harmonies

Analogous

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



43.9076, 44.6584, 70.2672



47.1893, 44.6584, 64.5253



49.2639, 44.6584, 54.8108

Triad

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



47.1893, 44.6584, 64.5253



44.5546, 44.6584, 32.3239



36.1372, 44.6584, 52.8813

Complementary

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



47.1893, 44.6584, 64.5253



49.6733, 57.5232, 47.0153

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.



36.2889, 44.6584, 42.9238



47.1893, 44.6584, 64.5253



41.0181, 44.6584, 31.9574

Square

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



47.1893, 44.6584, 64.5253



47.6856, 44.6584, 36.6613



38.0326, 44.6584, 35.5788



37.6059, 44.6584, 62.9447

Rectangle

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



47.1893, 44.6584, 64.5253



49.6165, 44.6584, 47.8623



38.0326, 44.6584, 35.5788



36.0028, 44.6584, 49.3966

Sweetspot

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



47.1907, 44.6603, 64.5263



89.1346, 91.1114, 107.4961



45.5309, 48.3040, 65.3171



18.9061, 19.2439, 22.9679



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.



47.1907, 44.6603, 64.5263



73.2933, 67.7532, 103.8224



50.8769, 46.5931, 63.2300



11.2051, 11.1550, 14.1329



11.5492, 5.1614, 36.3438



0.6816, 0.3105, 1.8789

Inverse Universe

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



48.8810, 45.7948, 52.7195



76.5409, 69.9290, 81.3133



46.4426, 55.8318, 48.0354



11.4086, 11.2922, 12.6861



16.8122, 8.5355, 6.7295



0.9051, 0.4554, 0.5460

Previews

White Background



This preview shows how the XYZ color 47.1893, 44.6584, 64.5253 looks on a white background.

Color Contrast Check

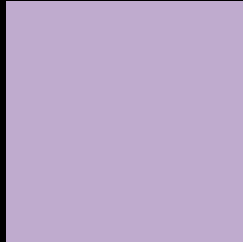
Large Text (above 18pt) WCAG AA × Fail

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 47.1893, 44.6584, 64.5253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

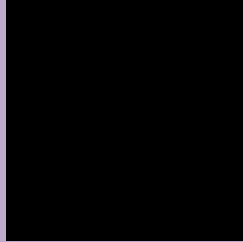
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.1893, 44.6584, 64.5253

Background



This preview shows how black text looks on a background with the XYZ color 47.1893, 44.6584, 64.5253.



This preview shows how white text looks on a background with the XYZ color 47.1893, 44.6584,

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

47.1893, 44.6584, 64.5253

Protanopia

44.3683, 44.8681, 67.2947

Deuteranopia

45.6839, 44.7472, 63.9869



Tritanopia

44.9522, 44.5943, 53.8153

Trichromacy



Original Color

47.1893, 44.6584, 64.5253

Protanomaly

45.4290, 44.8471, 66.5836

Deuteranomaly

46.2127, 44.7340, 63.9565

Tritanomaly

45.7802, 44.6461, 57.8344

Monochromacy



Original Color

47.1893, 44.6584, 64.5253

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.0240, 45.4763, 55.1200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1893, 44.6584, 64.5253 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(191, 171, 206)` looks like.

```
.text, #text, p{  
    color:rgb(191, 171, 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(191, 171, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 171, 206) }
```

Border

The CSS property to change the border of an element to XYZ 47.1893, 44.6584, 64.5253 is called "border". The border property can be set on classes, ids or directly on the HTML element.

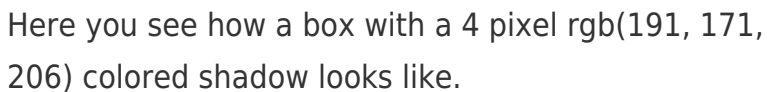
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 171, 206) }
```


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

```
.border{ border-color:rgb(191, 171, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(191, 171, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 171, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 171, 206); box-shadow:4px 4px 4px 4px rgb(191, 171, 206) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1893, 44.6584, 64.5253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 171, 206) }
```

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

```
.background{ background-color: rgb(191,  
171, 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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