

Converting Colors

XYZ(46.3664, 48.9590, 50.9008)

Have a look what the booklet for
XYZ(46.3664, 48.9590, 50.9008)
contains.

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Color

**XYZ(46.3929, 49.0188,
50.7325)**

Conversions

Conversions Part 1

Format	Color
Hex	BBBAB5
RGB	187, 186, 181
RGB Percent	73%, 73%, 71%
CMY	0.2667, 0.2706, 0.2902
CMYK	0.00, 0.01, 0.03, 0.27
HSL	50°, 4%, 72%
HSV	50°, 3%, 73%
XYZ	46.3929, 49.0188, 50.7325
YIQ	185.7290, 2.2010, -1.3430

Conversions

Conversions Part 2

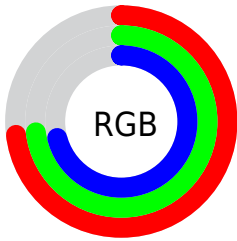
Format	Color
RYB	182, 187, 181
Decimal	12303029
CIELab	75.46, -0.56, 2.64
CIELCh	75, 2.703, 101.940
Yxy	49.0188, 0.3174, 0.3354
Android (android.graphics.Color)	4290493109 (0xFFBBBAB5)
YUV	185.7290, -2.3314, 1.1147
Hunter-Lab	70.0134, -4.2443, 6.0472

Details

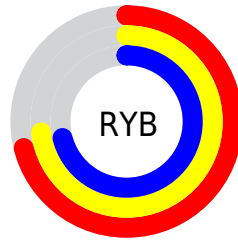
The XYZ color **46.3929, 49.0188, 50.7325** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.7536, 46.8668, 53.7017**, and the grayscale version is **46.5334, 48.9568, 53.3139**.

A 20% lighter version of the original color is **84.0003, 88.6734, 92.8091**, and **22.1153, 23.4019, 23.7735** is the 20% darker color. If you saturate the color by 10%, you get **43.9548, 47.0095, 41.0801**, and if you desaturate by 10%, it is **49.1056, 51.1638, 61.7483**.

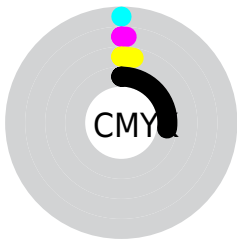
Distribution



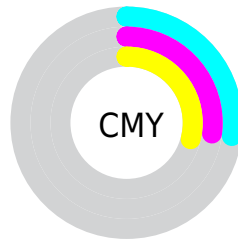
- Red (73%)
- Green (73%)
- Blue (71%)



- Red (71%)
- Yellow (73%)
- Blue (71%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (27%)



- Cyan (27%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3929, 49.0188, 50.7325 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 46.3929, 49.0188, 50.7325 by changing the saturation by 10% instead.

■ 46.3929, 49.0188,
50.7325

■ 46.3929, 49.0188,
50.7325

363.0755,
382.8163, 406.3404

■ 32.7619, 34.6344,
35.6205

■ 84.0310, 88.7194,
92.6667

■ 22.1025, 23.3814,
23.8539

108.7688,
114.8043, 120.3260

■ 14.0492, 14.8754,
15.0141

137.9395,
145.5583, 153.0048

■ 8.2369, 8.7320,
8.6825

171.9086,
181.3656, 191.1216

■ 4.3000, 4.5668,
4.4407

211.0414,
222.6106, 235.0951

■ 1.8732, 1.9954,
1.8701

255.7033,

■ 0.5612, 0.6048,

269.6778, 285.3437

0.4736

306.2595,
322.9516, 342.2859

■ 0.0000, 0.0000,
0.0000

■ 46.3929, 49.0188,
50.7325

■ 46.3929, 49.0188,
50.7325

■ 43.9548, 47.0095,
41.0801

■ 49.1056, 51.1638,
61.7483

■ 41.7769, 45.1254,
32.7342

■ 52.0984, 53.4422,
74.1750

■ 39.8495, 43.3639,
25.6387

■ 55.3820, 55.8600,
88.0618

■ 38.1610, 41.7203,
19.7321

■ 58.8358, 58.3689,
102.7731

■ 36.6986, 40.1893,
14.9476

■ 59.5550, 59.8074,
103.0128

■ 35.4483, 38.7652,
11.2120

■ 60.2889, 61.2752,
103.2575

■ 34.3944, 37.4416,
8.4432

■ 61.0376, 62.7725,
103.5070

■ 33.5189, 36.2110,
6.5470

■ 61.8010, 64.2995,
103.7615

■ 32.8003, 35.0648,
5.4101

■ 62.5794, 65.8562,
104.0210

Harmonies

Analogous

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



46.8887, 49.0188, 50.8059



46.3929, 49.0188, 50.7325



45.9533, 49.0188, 51.3573

Triad

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



46.3929, 49.0188, 50.7325



45.8816, 49.0188, 55.2287



47.5080, 49.0188, 54.2286

Complementary

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



46.3929, 49.0188, 50.7325



44.7536, 46.8668, 53.7017

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.



47.2344, 49.0188, 55.4410



46.3929, 49.0188, 50.7325



46.2944, 49.0188, 56.0255

Square

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



46.3929, 49.0188, 50.7325



45.6595, 49.0188, 53.9430



46.7895, 49.0188, 56.1039



47.5349, 49.0188, 52.8073

Rectangle

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



46.3929, 49.0188, 50.7325



45.7503, 49.0188, 52.0924



46.7895, 49.0188, 56.1039



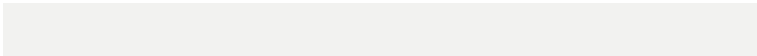
47.4418, 49.0188, 54.6747

Sweetspot

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



46.3943, 49.0209, 50.7336



84.1132, 88.6161, 94.9752



45.4616, 46.9907, 50.9307



18.5285, 19.5191, 20.9368



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.3943, 49.0209, 50.7336



82.6980, 87.4776, 89.2879



46.1190, 49.1918, 50.7810



10.4462, 11.0587, 11.1750



22.3501, 23.7389, 3.4041



0.9119, 1.0027, 0.1455

Inverse Universe

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



44.7536, 46.8668, 53.7017



78.9965, 82.6176, 95.9846



45.0227, 46.7037, 53.6560



9.9083, 10.3524, 12.1482



6.5553, 3.2223, 32.6694



0.2972, 0.2072, 1.2932

Previews

White Background



This preview shows how the XYZ color 46.3929, 49.0188, 50.7325 looks on a white background.

Color Contrast Check

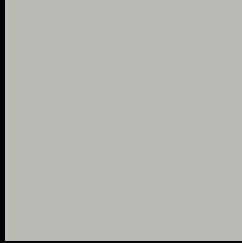
Large Text (above 18pt) WCAG AA × Fail

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 46.3929, 49.0188, 50.7325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

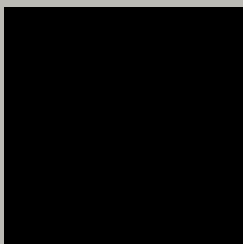
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

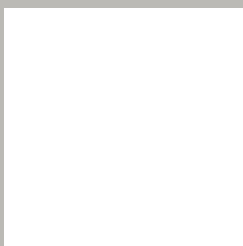
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3929, 49.0188, 50.7325

Background



This preview shows how black text looks on a background with the XYZ color 46.3929, 49.0188, 50.7325.



This preview shows how white text looks on a background with the XYZ color 46.3929, 49.0188,

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

46.3929, 49.0188, 50.7325

Protanopia

46.8224, 48.9404, 50.1586

Deuteranopia

49.9416, 48.9991, 51.0815



Tritanopia

48.3617, 48.8913, 60.3141

Trichromacy



Original Color

46.3929, 49.0188, 50.7325

Protanomaly

46.5734, 48.8120, 50.1470

Deuteranomaly

48.4601, 48.8391, 51.1287

Tritanomaly

47.6412, 48.9056, 56.7979

Monochromacy



Original Color

46.3929, 49.0188, 50.7325

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4603, 49.0176, 52.3600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3929, 49.0188, 50.7325 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(187, 186, 181)` looks like.

```
.text, #text, p{  
    color:rgb(187, 186, 181)  
}
```

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(187, 186, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 186, 181) }
```

Border

The CSS property to change the border of an element to XYZ 46.3929, 49.0188, 50.7325 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(187, 186, 181) }
```


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

```
.border{ border-color:rgb(187, 186, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 186, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 186, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 186, 181);  
box-shadow:4px 4px 4px 4px rgb(187, 186,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3929, 49.0188, 50.7325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 186, 181) }
```

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

```
.background{ background-color: rgb(187,  
186, 181) }
```

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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