

Converting Colors

XYZ(46.3632, 47.4487, 53.3454)

Have a look what the booklet for
XYZ(46.3632, 47.4487, 53.3454)
contains.

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Color

**XYZ(46.3731, 47.4117,
53.1616)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB5BA
RGB	189, 181, 186
RGB Percent	74%, 71%, 73%
CMY	0.2588, 0.2902, 0.2706
CMYK	0.00, 0.04, 0.02, 0.26
HSL	323°, 6%, 73%
HSV	323°, 4%, 74%
XYZ	46.3731, 47.4117, 53.1616
YIQ	183.9620, 3.1630, 3.2510

Conversions

Conversions Part 2

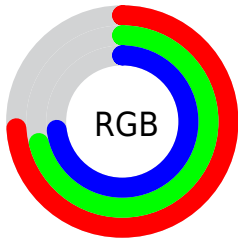
Format	Color
R _Y B	189, 181, 186
Decimal	12432826
CIE Lab	74.45, 3.74, -1.53
CIE LCh	74, 4.043, 337.705
Yxy	47.4117, 0.3156, 0.3226
Android (android.graphics.Color)	4290622906 (0xFFBDB5BA)
YUV	183.9620, 1.0047, 4.4183
Hunter-Lab	68.8562, -0.2825, 2.4234

Details

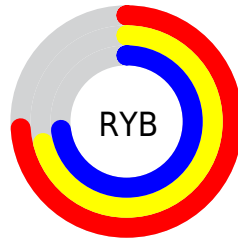
The XYZ color **46.3731, 47.4117, 53.1616** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.9072, 49.6810, 52.5198**, and the grayscale version is **45.5335, 47.9048, 52.1683**.

A 20% lighter version of the original color is **83.9674, 86.3917, 96.2541**, and **22.1062, 22.3660, 25.3423** is the 20% darker color. If you saturate the color by 10%, you get **42.0530, 39.9475, 48.0946**, and if you desaturate by 10%, it is **51.2547, 55.9377, 58.6015**.

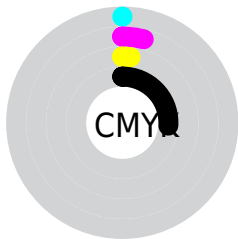
Distribution



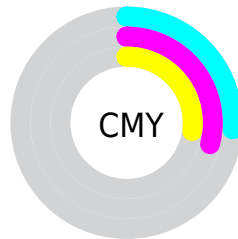
- Red (74%)
- Green (71%)
- Blue (73%)



- Red (74%)
- Yellow (71%)
- Blue (73%)



- Cyan (0%)
- Magenta (4%)
- Yellow (2%)
- Black (26%)



- Cyan (26%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3731, 47.4117, 53.1616 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 46.3731, 47.4117, 53.1616 by changing the saturation by 10% instead.

■ 46.3731, 47.4117,
53.1616

■ 46.3731, 47.4117,
53.1616

362.9975,
376.4555, 415.9887

■ 32.7462, 33.3612,
37.5432

■ 84.0015, 86.3278,
96.2861

■ 22.0904, 22.4033,
25.3293

108.7338,
111.9623, 124.6292

■ 14.0403, 14.1536,
16.1013

137.8986,
142.2269, 158.0510

■ 8.2306, 8.2275,
9.4407

171.8612,
177.5060, 196.9700

■ 4.2959, 4.2409,
4.9290

210.9871,
218.1840, 241.8047

■ 1.8709, 1.8092,
2.1477

255.6415,

■ 0.5598, 0.4929,

264.6453, 292.9737

0.6439

306.1898,
317.2744, 350.8955

■ 0.0000, 0.0000,
0.0000

■ 46.3731, 47.4117,
53.1616

■ 46.3731, 47.4117,
53.1616

■ 42.0530, 39.9475,
48.0946

■ 51.2547, 55.9377,
58.6015

■ 38.2689, 33.4969,
43.3876

■ 56.7139, 65.5589,
64.4206

■ 34.9993, 28.0174,
39.0314

■ 62.7712, 76.3147,
70.6287

■ 32.2199, 23.4608,
35.0150

■ 68.9308, 87.2127,
77.0631

■ 29.9040, 19.7750,
31.3267

■ 69.8585, 87.5837,
81.9482

■ 28.0225, 16.9025,
27.9540

■ 70.8261, 87.9708,
87.0436

■ 26.5426, 14.7789,
24.8829

■ 71.8342, 88.3740,
92.3519

■ 25.4267, 13.3299,
22.0978

■ 72.8831, 88.7936,
97.8756

■ 24.6295, 12.4659,
19.5804

■ 73.9734, 89.2297,
103.6170

Harmonies

Analogous

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



45.9263, 47.4117, 54.8657



46.3731, 47.4117, 53.1616



46.4671, 47.4117, 51.0868

Triad

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



46.3731, 47.4117, 53.1616



44.8757, 47.4117, 47.7456



43.9632, 47.4117, 54.1182

Complementary

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



46.3731, 47.4117, 53.1616



45.9072, 49.6810, 52.5198

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.



43.6883, 47.4117, 52.1635



46.3731, 47.4117, 53.1616



44.2113, 47.4117, 48.5112

Square

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



46.3731, 47.4117, 53.1616



45.5974, 47.4117, 47.9966



43.7786, 47.4117, 50.1149



44.5336, 47.4117, 55.4282

Rectangle

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



46.3731, 47.4117, 53.1616



46.3161, 47.4117, 49.7789



43.7786, 47.4117, 50.1149



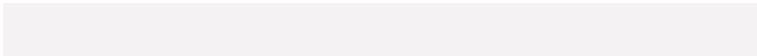
43.8335, 47.4117, 53.5127

Sweetspot

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



46.3745, 47.4137, 53.1626



85.7546, 89.6150, 98.2714



45.4622, 46.9062, 54.8027



18.4508, 19.2881, 21.1436



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.



46.3745, 47.4137, 53.1626



82.3600, 83.7092, 94.4168



45.9622, 47.2488, 50.9917



10.1403, 10.2680, 11.6246



16.3621, 8.1760, 12.4666



0.6717, 0.3326, 0.6503

Inverse Universe

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



46.3745, 47.4137, 53.1626



82.3600, 83.7092, 94.4168



46.3251, 49.8482, 54.7204



10.1403, 10.2680, 11.6246



16.3621, 8.1760, 12.4666



0.6717, 0.3326, 0.6503

Previews

White Background



This preview shows how the XYZ color 46.3731, 47.4117, 53.1616 looks on a white background.

Color Contrast Check

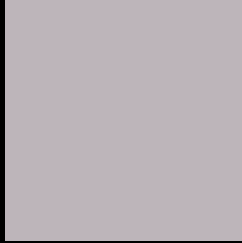
Large Text (above 18pt) WCAG AA × Fail

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 46.3731, 47.4117, 53.1616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

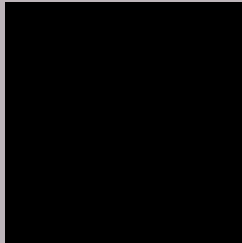
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3731, 47.4117, 53.1616

Background



This preview shows how black text looks on a background with the XYZ color 46.3731, 47.4117, 53.1616.



This preview shows how white text looks on a background with the XYZ color 46.3731, 47.4117,

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

46.3731, 47.4117, 53.1616

Protanopia

45.7052, 47.3580, 53.7458

Deuteranopia

48.2450, 47.1743, 53.5765



Tritanopia

47.2941, 47.4847, 57.7117

Trichromacy



Original Color

46.3731, 47.4117, 53.1616

Protanomaly

45.9473, 47.4829, 53.7571

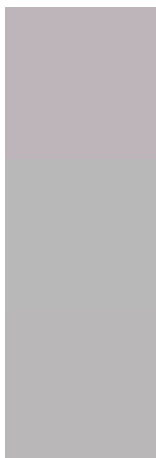
Deuteranomaly

47.3957, 47.0307, 53.5935

Tritanomaly

46.9604, 47.3513, 55.9548

Monochromacy



Original Color

46.3731, 47.4117, 53.1616

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.9401, 47.8089, 52.7057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3731, 47.4117, 53.1616 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(189, 181, 186)` looks like.

```
.text, #text, p{  
    color:rgb(189, 181, 186)  
}
```

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(189, 181, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 181, 186) }
```

Border

The CSS property to change the border of an element to XYZ 46.3731, 47.4117, 53.1616 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(189, 181, 186) }
```


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

```
.border{ border-color:rgb(189, 181, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 181, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 181, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 181, 186);  
box-shadow:4px 4px 4px 4px rgb(189, 181,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3731, 47.4117, 53.1616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 181, 186) }
```

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

```
.background{ background-color: rgb(189,  
181, 186) }
```

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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