

Converting Colors

XYZ(46.4057, 47.4657, 53.5687)

Have a look what the booklet for
XYZ(46.4057, 47.4657, 53.5687)
contains.

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Color

**XYZ(46.4798, 47.4544,
53.7236)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB5BB
RGB	189, 181, 187
RGB Percent	74%, 71%, 73%
CMY	0.2588, 0.2902, 0.2667
CMYK	0.00, 0.04, 0.01, 0.26
HSL	315°, 6%, 73%
HSV	315°, 4%, 74%
XYZ	46.4798, 47.4544, 53.7236
YIQ	184.0760, 2.8420, 3.5620

Conversions

Conversions Part 2

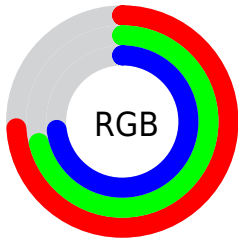
Format	Color
R _Y B	189, 181, 187
Decimal	12432827
CIE Lab	74.48, 3.93, -2.04
CIE LCh	74, 4.424, 332.540
Yxy	47.4544, 0.3148, 0.3214
Android (android.graphics.Color)	4290622907 (0xFFBDB5BB)
YUV	184.0760, 1.4415, 4.3183
Hunter-Lab	68.8872, -0.1143, 1.9820

Details

The XYZ color **46.4798, 47.4544, 53.7236** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.8027, 49.6392, 51.9694**, and the grayscale version is **45.5943, 47.9687, 52.2379**.

A 20% lighter version of the original color is **84.1180, 86.4519, 97.0474**, and **22.1756, 22.3938, 25.7079** is the 20% darker color. If you saturate the color by 10%, you get **42.3972, 40.0852, 49.9074**, and if you desaturate by 10%, it is **51.1031, 55.8771, 57.8034**.

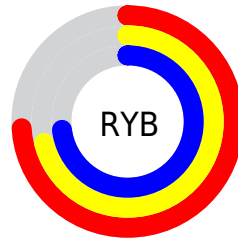
Distribution



Red (74%)

Green (71%)

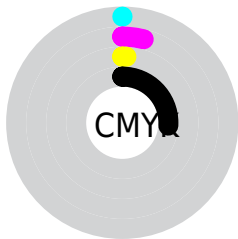
Blue (73%)



Red (74%)

Yellow (71%)

Blue (73%)

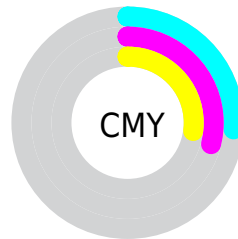


Cyan (0%)

Magenta (4%)

Yellow (1%)

Black (26%)



Cyan (26%)

Magenta (29%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4798, 47.4544, 53.7236 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 46.4798, 47.4544, 53.7236 by changing the saturation by 10% instead.

■ 46.4798, 47.4544,
53.7236

■ 46.4798, 47.4544,
53.7236

363.4179,
376.6254, 418.1999

■ 32.8308, 33.3950,
37.9891

■ 84.1601, 86.3915,
97.1206

■ 22.1555, 22.4292,
25.6724

108.9221,
112.0380, 125.6201

■ 14.0884, 14.1726,
16.3552

138.1192,
142.3157, 159.2118

■ 8.2643, 8.2408,
9.6188

172.1167,
177.6089, 198.3140

■ 4.3178, 4.2494,
5.0446

211.2800,
218.3021, 243.3454

■ 1.8834, 1.8140,
2.2143

255.9743,

■ 0.5672, 0.4959,

264.7797, 294.7245

0.6826

306.5652,
317.4260, 352.8698

■ 0.0000, 0.0000,
0.0000

■ 46.4798, 47.4544,
53.7236

■ 46.4798, 47.4544,
53.7236

■ 42.3972, 40.0852,
49.9074

■ 51.1031, 55.8771,
57.8034

■ 38.8302, 33.7215,
46.3439

■ 56.2829, 65.3865,
62.1511

■ 35.7579, 28.3208,
43.0259

■ 62.0393, 76.0219,
66.7747

■ 33.1560, 23.8353,
39.9446

■ 67.8762, 86.7908,
71.5096

■ 30.9985, 20.2128,
37.0904

■ 68.4589, 87.0239,
74.5783

■ 29.2566, 17.3961,
34.4529

■ 69.0591, 87.2640,
77.7387

■ 27.8980, 15.3211,
32.0205

■ 69.6768, 87.5111,
80.9917

■ 26.8856, 13.9135,
29.7800

■ 70.3123, 87.7653,
84.3380

■ 26.1743, 13.0838,
27.7156

■ 70.9656, 88.0266,
87.7782

Harmonies

Analogous

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



45.9347, 47.4544, 55.4651



46.4798, 47.4544, 53.7236



46.6549, 47.4544, 51.4752

Triad

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



46.4798, 47.4544, 53.7236



45.0360, 47.4544, 47.4012



43.8223, 47.4544, 54.0707

Complementary

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



46.4798, 47.4544, 53.7236



45.8027, 49.6392, 51.9694

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.



43.5878, 47.4544, 51.8648



46.4798, 47.4544, 53.7236



44.2834, 47.4544, 48.0516

Square

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



46.4798, 47.4544, 53.7236



45.8155, 47.4544, 47.8663



43.7556, 47.4544, 49.6690



44.3998, 47.4544, 55.6696

Rectangle

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



46.4798, 47.4544, 53.7236



46.5366, 47.4544, 50.0029



43.7556, 47.4544, 49.6690



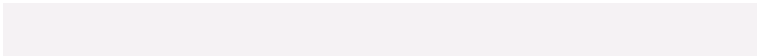
43.7010, 47.4544, 53.3733

Sweetspot

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



46.4812, 47.4564, 53.7246



85.8011, 89.6336, 98.5163



45.2395, 46.7915, 54.7922



18.4603, 19.2919, 21.1936



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.



46.4812, 47.4564, 53.7246



82.5887, 83.8006, 95.6211



46.0590, 47.2876, 51.5016



10.1715, 10.2805, 11.7889



17.4236, 8.6006, 18.0559



0.7072, 0.3468, 0.8375

Inverse Universe

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



46.4812, 47.4564, 53.7246



82.5887, 83.8006, 95.6211



46.2248, 49.8080, 54.1925



10.1715, 10.2805, 11.7889



17.4236, 8.6006, 18.0559



0.7072, 0.3468, 0.8375

Previews

White Background



This preview shows how the XYZ color 46.4798, 47.4544, 53.7236 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 46.4798, 47.4544, 53.7236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

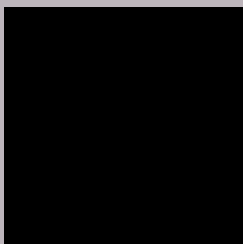
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

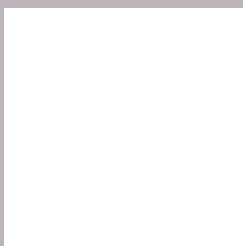
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4798, 47.4544, 53.7236

Background



This preview shows how black text looks on a background with the XYZ color 46.4798, 47.4544, 53.7236.



This preview shows how white text looks on a background with the XYZ color 46.4798, 47.4544,

53.7236.

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

46.4798, 47.4544, 53.7236

Protanopia

45.8126, 47.4010, 54.3117

Deuteranopia

48.5507, 47.6137, 54.2084



Tritanopia

47.2941, 47.4847, 57.7117

Trichromacy



Original Color

46.4798, 47.4544, 53.7236

Protanomaly

46.0547, 47.5258, 54.3230

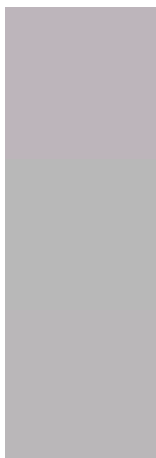
Deuteranomaly

47.7029, 47.4731, 54.2260

Tritanomaly

46.9604, 47.3513, 55.9548

Monochromacy



Original Color

46.4798, 47.4544, 53.7236

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 46.4798, 47.4544, 53.7236 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(189, 181, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 181, 187) }
```

Border

The CSS property to change the border of an element to XYZ 46.4798, 47.4544, 53.7236 is called "border". The border property can be set on classes, ids or directly on the HTML element.

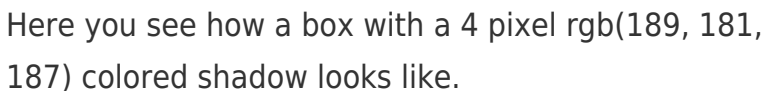
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 181, 187) }
```


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

```
.border{ border-color:rgb(189, 181, 187) }
```

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, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 181, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 181, 187); box-shadow:4px 4px 4px 4px rgb(189, 181, 187) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4798, 47.4544, 53.7236 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, 187) }
```

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

```
.background{ background-color: rgb(189,  
181, 187) }
```

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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