

Converting Colors

XYZ(48.0180, 53.3061, 47.1860)

Have a look what the booklet for
XYZ(48.0180, 53.3061, 47.1860)
contains.

XYZ(48.0218, 53.1884, 47.2705)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.0218, 53.1884,
47.2705)**

Conversions

Conversions Part 1

Format	Color
Hex	BCC4AD
RGB	188, 196, 173
RGB Percent	74%, 77%, 68%
CMY	0.2627, 0.2314, 0.3216
CMYK	0.04, 0.00, 0.12, 0.23
HSL	81°, 16%, 72%
HSV	81°, 12%, 77%
XYZ	48.0218, 53.1884, 47.2705
YIQ	190.9860, 2.6150, -8.8490

Conversions

Conversions Part 2

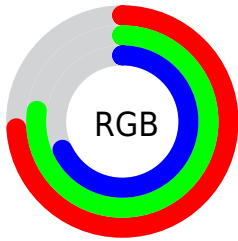
Format	Color
RYB	173, 196, 181
Decimal	12371117
CIELab	77.99, -6.88, 10.61
CIELCh	78, 12.641, 122.973
Yxy	53.1884, 0.3234, 0.3582
Android (android.graphics.Color)	4290561197 (0xFFBCC4AD)
YUV	190.9860, -8.8671, -2.6187
Hunter-Lab	72.9304, -10.0929, 12.6219

Details

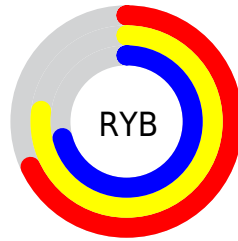
The XYZ color **48.0218, 53.1884, 47.2705** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.9655, 43.6979, 58.3447**, and the grayscale version is **49.5631, 52.1443, 56.7851**.

A 20% lighter version of the original color is **86.4371, 95.0851, 87.1963**, and **23.1159, 25.8774, 21.8657** is the 20% darker color. If you saturate the color by 10%, you get **44.6225, 51.6409, 37.9268**, and if you desaturate by 10%, it is **51.7817, 54.8928, 58.0858**.

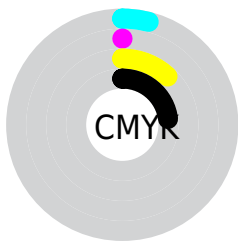
Distribution



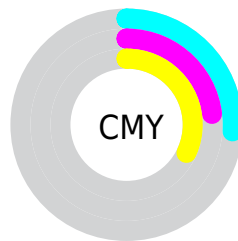
- Red (74%)
- Green (77%)
- Blue (68%)



- Red (68%)
- Yellow (77%)
- Blue (71%)



- Cyan (4%)
- Magenta (0%)
- Yellow (12%)
- Black (23%)



- Cyan (26%)
- Magenta (23%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0218, 53.1884, 47.2705 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 48.0218, 53.1884, 47.2705 by changing the saturation by 10% instead.

■ 48.0218, 53.1884,
47.2705

■ 48.0218, 53.1884,
47.2705

369.4597,
399.0075, 392.3182

■ 34.0555, 37.9532,
32.8937

■ 86.4464, 94.8815,
87.4715

■ 23.0993, 25.9464,
21.7746

111.6353,
122.1083, 114.1327

■ 14.7880, 16.7835,
13.4946

141.2958,
154.1009, 145.7258

■ 8.7560, 10.0803,
7.6353

175.7933,
191.2440, 182.6693

■ 4.6382, 5.4522,
3.7781

215.4931,
233.9217, 225.3817

■ 2.0692, 2.5150,
1.5044

260.7605,

■ 0.6724, 0.8841,

282.5187, 274.2817

0.2212

311.9609,
337.4191, 329.7876

■ 0.0000, 0.0000,
0.0000

■ 48.0218, 53.1884,
47.2705

■ 48.0218, 53.1884,
47.2705

■ 44.6225, 51.6409,
37.9268

■ 51.7817, 54.8928,
58.0858

■ 41.5663, 50.2379,
29.9875

■ 55.9103, 56.7522,
70.4288

■ 38.8406, 48.9761,
23.3856

■ 60.4207, 58.7738,
84.3572

■ 36.4302, 47.8491,
18.0470

■ 65.3241, 60.9622,
99.9245

■ 34.3186, 46.8504,
13.8907

■ 67.9461, 62.2475,
103.0416

■ 32.4874, 45.9723,
10.8260

■ 70.0788, 63.3470,
103.1414

■ 30.9157, 45.2064,
8.7492

■ 72.2970, 64.4905,
103.2452

■ 29.5787, 44.5426,
7.5366

■ 74.6017, 65.6786,
103.3531

■ 28.6138, 44.0562,
6.9956

■ 76.9937, 66.9118,
103.4650

Harmonies

Analogous

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



50.3089, 53.1884, 45.4048



48.0218, 53.1884, 47.2705



46.4543, 53.1884, 51.9700

Triad

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



48.0218, 53.1884, 47.2705



48.4338, 53.1884, 70.8451



55.4290, 53.1884, 57.2130

Complementary

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



48.0218, 53.1884, 47.2705



43.9655, 43.6979, 58.3447

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.



54.8880, 53.1884, 64.2929



48.0218, 53.1884, 47.2705



50.7998, 53.1884, 72.5305

Square

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



48.0218, 53.1884, 47.2705



46.6867, 53.1884, 65.6073



53.1736, 53.1884, 70.0441



54.6291, 53.1884, 50.8453

Rectangle

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



48.0218, 53.1884, 47.2705



46.0009, 53.1884, 56.2708



53.1736, 53.1884, 70.0441



55.3980, 53.1884, 59.5871

Sweetspot

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



48.0232, 53.1907, 47.2717



92.1572, 98.6934, 100.4187



46.7659, 47.6670, 46.2717



19.6116, 21.0730, 21.1632



0.0000, 0.0000, 0.0000



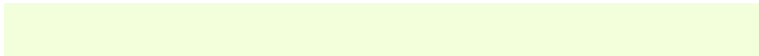
20.3446, 21.4041, 23.3091

Same Dimension

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



48.0232, 53.1907, 47.2717



85.4025, 95.6300, 81.1823



45.3780, 51.8270, 47.1479



10.5622, 11.5773, 10.7398



18.4804, 28.3558, 4.4992



0.8705, 1.2623, 0.1978

Inverse Universe

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



43.9655, 43.6979, 58.3447



76.6483, 75.1490, 105.0731



46.6898, 45.1022, 58.4722



9.8515, 9.9146, 12.6793



8.0274, 3.3987, 33.7895



0.4218, 0.1855, 1.4635

Previews

White Background



This preview shows how the XYZ color 48.0218, 53.1884, 47.2705 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 48.0218, 53.1884, 47.2705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

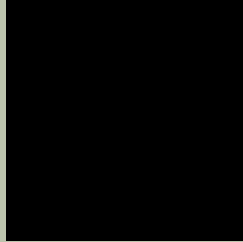
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

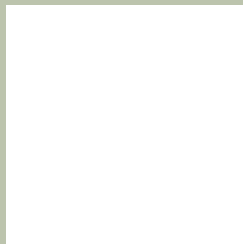
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0218, 53.1884, 47.2705

Background



This preview shows how black text looks on a background with the XYZ color 48.0218, 53.1884, 47.2705.



This preview shows how white text looks on a background with the XYZ color 48.0218, 53.1884,

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

48.0218, 53.1884, 47.2705

Protanopia

50.2877, 53.0571, 46.1187

Deuteranopia

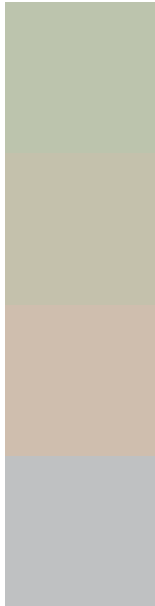
54.2102, 53.1184, 47.9531



Tritanopia

51.7637, 53.0553, 65.9050

Trichromacy



Original Color

48.0218, 53.1884, 47.2705

Protanomaly

49.2813, 52.8542, 46.6342

Deuteranomaly

51.7856, 53.1483, 47.5737

Tritanomaly

50.2934, 53.1113, 58.6397

Monochromacy



Original Color

48.0218, 53.1884, 47.2705

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.9569, 52.5478, 52.9098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0218, 53.1884, 47.2705 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(188, 196, 173)` looks like.

```
.text, #text, p{  
    color:rgb(188, 196, 173)  
}
```

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(188, 196, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 196, 173) }
```

Border

The CSS property to change the border of an element to XYZ 48.0218, 53.1884, 47.2705 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(188, 196, 173) }
```


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

```
.border{ border-color:rgb(188, 196, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 196, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 196, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 196, 173);  
box-shadow:4px 4px 4px 4px rgb(188, 196,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0218, 53.1884, 47.2705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 196, 173) }
```

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

```
.background{ background-color: rgb(188,  
196, 173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor