

Converting Colors

XYZ(47.2091, 49.8968, 49.4750)

Have a look what the booklet for
XYZ(47.2091, 49.8968, 49.4750)
contains.

XYZ(47.0414, 49.7021, 49.2336)	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(47.0414, 49.7021,
49.2336)**

Conversions

Conversions Part 1

Format	Color
Hex	BEBBB2
RGB	190, 187, 178
RGB Percent	75%, 73%, 70%
CMY	0.2549, 0.2666, 0.3020
CMYK	0.00, 0.02, 0.06, 0.25
HSL	45°, 8%, 72%
HSV	45°, 6%, 75%
XYZ	47.0414, 49.7021, 49.2336
YIQ	186.8710, 4.6770, -2.1630

Conversions

Conversions Part 2

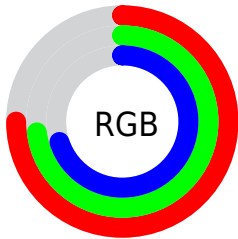
Format	Color
RYB	182, 190, 178
Decimal	12499890
CIELab	75.89, -0.56, 4.92
CIELCh	76, 4.948, 96.461
Yxy	49.7021, 0.3223, 0.3405
Android (android.graphics.Color)	4290689970 (0xFFBEBB2)
YUV	186.8710, -4.3734, 2.7441
Hunter-Lab	70.4997, -4.2692, 7.9445

Details

The XYZ color **47.0414, 49.7021, 49.2336** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.1783, 46.2298, 55.3106**, and the grayscale version is **47.1845, 49.6418, 54.0599**.

A 20% lighter version of the original color is **84.9079, 89.6345, 90.6680**, and **22.5433, 23.8492, 22.8172** is the 20% darker color. If you saturate the color by 10%, you get **44.2748, 47.0130, 39.5423**, and if you desaturate by 10%, it is **50.1083, 52.5678, 60.3298**.

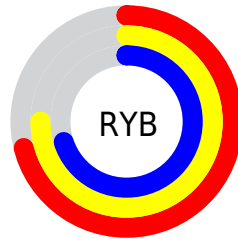
Distribution



Red (75%)

Green (73%)

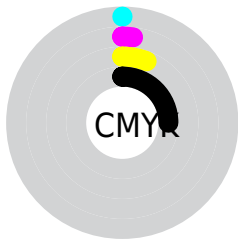
Blue (70%)



Red (71%)

Yellow (75%)

Blue (70%)

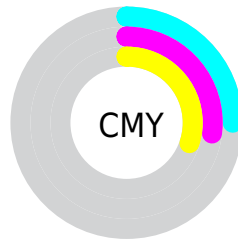


Cyan (0%)

Magenta (2%)

Yellow (6%)

Black (25%)



Cyan (25%)

Magenta (27%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0414, 49.7021, 49.2336 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 47.0414, 49.7021, 49.2336 by changing the saturation by 10% instead.

■ 47.0414, 49.7021,
49.2336

■ 47.0414, 49.7021,
49.2336

365.6259,
385.4998, 400.3101

■ 33.2765, 35.1768,
34.4379

■ 84.9938, 89.7333,
90.4229

■ 22.4986, 23.7991,
22.9501

109.9119,
116.0080, 117.6536

■ 14.3423, 15.1846,
14.3517

139.2786,
146.9679, 149.8663

■ 8.4424, 8.9491,
8.2242

173.4590,
182.9975, 187.4797

■ 4.4335, 4.7080,
4.1489

212.8186,
224.4810, 230.9122

■ 1.9502, 2.0770,
1.7074

257.7227,

■ 0.6058, 0.6516,

271.8030, 280.5824

0.3658

308.5367,
325.3478, 336.9089

■ 0.0000, 0.0000,
0.0000

■ 47.0414, 49.7021,
49.2336

■ 47.0414, 49.7021,
49.2336

■ 44.2748, 47.0130,
39.5423

■ 50.1083, 52.5678,
60.3298

■ 41.7933, 44.4889,
31.1959

■ 53.4819, 55.6083,
72.8815

■ 39.5863, 42.1270,
24.1344

■ 57.1734, 58.8302,
86.9406

■ 37.6412, 39.9214,
18.2923

■ 61.1925, 62.2377,
102.5554

■ 35.9440, 37.8661,
13.5982

■ 62.5122, 64.6208,
103.7861

■ 34.4795, 35.9546,
9.9733

■ 63.7065, 67.0093,
104.1841

■ 33.2304, 34.1792,
7.3285

■ 64.9358, 69.4679,
104.5939

■ 32.1768, 32.5316,
5.5606

■ 66.2005, 71.9972,
105.0155

■ 31.2929, 31.0008,
4.5355

■ 67.5008, 74.5979,
105.4489

Harmonies

Analogous

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



47.9510, 49.7021, 49.6004



47.0414, 49.7021, 49.2336



46.1960, 49.7021, 50.1407

Triad

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



47.0414, 49.7021, 49.2336



45.8307, 49.7021, 57.1867



48.8822, 49.7021, 56.1675

Complementary

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



47.0414, 49.7021, 49.2336



44.1783, 46.2298, 55.3106

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.



48.3003, 49.7021, 58.2984



47.0414, 49.7021, 49.2336



46.5368, 49.7021, 58.9001

Square

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



47.0414, 49.7021, 49.2336



45.5029, 49.7021, 54.6897



47.4399, 49.7021, 59.3134



49.0215, 49.7021, 53.5485

Rectangle

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



47.0414, 49.7021, 49.2336



45.7800, 49.7021, 51.3638



47.4399, 49.7021, 59.3134



48.7315, 49.7021, 56.9672

Sweetspot

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



47.0428, 49.7043, 49.2347



87.5596, 92.2542, 97.5141



45.4968, 46.1249, 50.2218



19.2396, 20.2697, 21.4576



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



47.0428, 49.7043, 49.2347



84.2980, 89.1627, 85.8475



46.9435, 50.6067, 49.4141



10.1150, 10.7060, 10.1100



20.6718, 20.3825, 2.8447



0.8587, 0.8963, 0.1277

Inverse Universe

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



44.1783, 46.2298, 55.3106



77.6972, 81.1565, 99.8488



44.2714, 45.3830, 55.1423



9.2049, 9.6021, 12.0405



6.9216, 3.9549, 32.7915



0.3250, 0.2627, 1.3024

Previews

White Background



This preview shows how the XYZ color 47.0414, 49.7021, 49.2336 looks on a white background.

Color Contrast Check

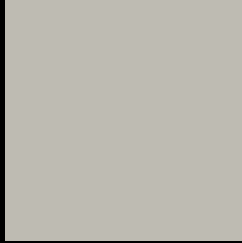
Large Text (above 18pt) WCAG AA × Fail

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 47.0414, 49.7021, 49.2336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

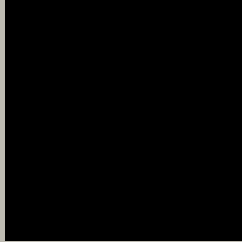
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0414, 49.7021, 49.2336

Background



This preview shows how black text looks on a background with the XYZ color 47.0414, 49.7021, 49.2336.

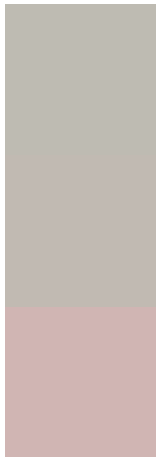


This preview shows how white text looks on a background with the XYZ color 47.0414, 49.7021,

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

47.0414, 49.7021, 49.2336

Protanopia

47.5871, 49.6696, 49.1986

Deuteranopia

50.6730, 49.7123, 49.5725



Tritanopia

49.3259, 49.6957, 60.4185

Trichromacy



Original Color

47.0414, 49.7021, 49.2336

Protanomaly

47.3330, 49.5386, 49.1867

Deuteranomaly

49.1576, 49.5392, 49.6190

Tritanomaly

48.4912, 49.6660, 56.3209

Monochromacy



Original Color

47.0414, 49.7021, 49.2336

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.1611, 49.6927, 52.4534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0414, 49.7021, 49.2336 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(190, 187, 178)` looks like.

```
.text, #text, p{  
    color:rgb(190, 187, 178)  
}
```

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(190, 187, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 187, 178) }
```

Border

The CSS property to change the border of an element to XYZ 47.0414, 49.7021, 49.2336 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(190, 187, 178) }
```


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

```
.border{ border-color:rgb(190, 187, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 187, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 187, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 187, 178);  
box-shadow:4px 4px 4px 4px rgb(190, 187,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0414, 49.7021, 49.2336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 187, 178) }
```

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

```
.background{ background-color: rgb(190,  
187, 178) }
```

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