

Converting Colors

XYZ(42.7571, 48.2501, 29.3546)

Have a look what the booklet for
XYZ(42.7571, 48.2501, 29.3546)
contains.

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Color

**XYZ(42.7104, 48.2247,
29.2475)**

Conversions

Conversions Part 1

Format	Color
Hex	BBBC85
RGB	187, 188, 133
RGB Percent	73%, 74%, 52%
CMY	0.2667, 0.2627, 0.4784
CMYK	0.01, 0.00, 0.29, 0.26
HSL	61°, 29%, 63%
HSV	61°, 29%, 74%
XYZ	42.7104, 48.2247, 29.2475
YIQ	181.4310, 17.0590, -17.3170

Conversions

Conversions Part 2

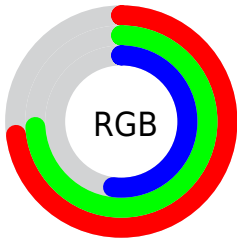
Format	Color
RYB	133, 188, 134
Decimal	12303493
CIELab	74.97, -9.12, 27.79
CIELCh	75, 29.253, 108.172
Yxy	48.2247, 0.3554, 0.4013
Android (android.graphics.Color)	4290493573 (0xFFBBC85)
YUV	181.4310, -23.8765, 4.8840
Hunter-Lab	69.4440, -11.7435, 23.6398

Details

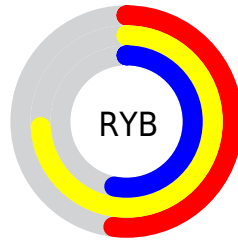
The XYZ color **42.7104, 48.2247, 29.2475** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.2979, 25.4754, 51.0582**, and the grayscale version is **44.2743, 46.5800, 50.7256**.

A 20% lighter version of the original color is **78.6286, 87.5223, 59.7630**, and **19.8982, 22.9390, 11.5625** is the 20% darker color. If you saturate the color by 10%, you get **41.4427, 47.7096, 23.0043**, and if you desaturate by 10%, it is **44.2133, 48.8372, 36.7172**.

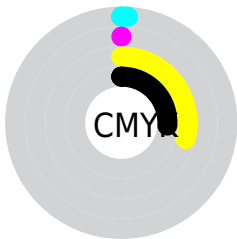
Distribution



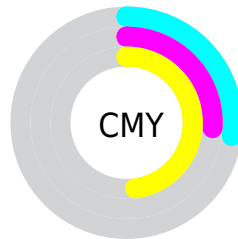
- Red (73%)
- Green (74%)
- Blue (52%)



- Red (52%)
- Yellow (74%)
- Blue (53%)



- Cyan (1%)
- Magenta (0%)
- Yellow (29%)
- Black (26%)



- Cyan (27%)
- Magenta (26%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7104, 48.2247, 29.2475 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 42.7104, 48.2247, 29.2475 by changing the saturation by 10% instead.

■ 42.7104, 48.2247,
29.2475

■ 42.7104, 48.2247,
29.2475

348.3612,
379.6821, 312.4783

■ 29.8515, 34.0049,
19.0209

■ 78.5321, 87.5389,
59.5170

■ 19.8734, 22.8973,
11.5084

■ 102.2256,
113.4020, 80.3969

■ 12.4108, 14.5177,
6.2915

■ 130.2613,
143.9150, 105.6651

■ 7.0983, 8.4816,
2.9515

163.0047,
179.4623, 135.7401

■ 3.5705, 4.4046,
1.0699

200.8210,
220.4282, 171.0403

■ 1.4622, 1.9024,
0.0000

244.0756,

■ 0.2999, 0.5498,

267.1973, 211.9844

0.0000

293.1339,
320.1537, 258.9909

■ 0.0000, 0.0000,
0.0000

■ 42.7104, 48.2247,
29.2475

■ 42.7104, 48.2247,
29.2475

■ 41.4427, 47.7096,
23.0043

■ 44.2133, 48.8372,
36.7172

■ 40.3941, 47.2805,
17.9193

■ 45.9591, 49.5453,
45.4707

■ 39.5522, 46.9341,
13.9220


■ 47.9599, 50.3554,
55.5657


■ 38.9021, 46.6644,
10.9331


■ 50.2258, 51.2715,
67.0552


■ 38.4265, 46.4646,
8.8627


■ 52.7661, 52.2975,
79.9894


 38.1055, 46.3266,
7.6047


 55.5901, 53.4369,
94.4161

 37.9024, 46.2358,
6.9669

 57.1208, 54.0591,
102.0316

 37.8886, 46.2296,
6.9263

 57.2064, 54.1031,
102.0356

 57.2921, 54.1473,
102.0396

Harmonies

Analogous

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



47.9712, 48.2247, 28.6814



42.7104, 48.2247, 29.2475



38.6086, 48.2247, 35.2506

Triad

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



42.7104, 48.2247, 29.2475



39.3292, 48.2247, 77.5861



56.6285, 48.2247, 58.7638

Complementary

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



42.7104, 48.2247, 29.2475



27.2979, 25.4754, 51.0582

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.



53.9136, 48.2247, 74.6410



42.7104, 48.2247, 29.2475



43.7654, 48.2247, 86.8355

Square

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



42.7104, 48.2247, 29.2475



36.7633, 48.2247, 62.2153



49.1108, 48.2247, 85.6637



56.2908, 48.2247, 43.8678

Rectangle

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



42.7104, 48.2247, 29.2475



36.9569, 48.2247, 42.3242



49.1108, 48.2247, 85.6637



56.0346, 48.2247, 64.2080

Sweetspot

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



42.7116, 48.2269, 29.2485



83.3263, 89.8034, 82.5902



33.4878, 29.4132, 26.1033



17.8135, 19.2691, 17.2304



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.



42.7116, 48.2269, 29.2485



75.9037, 86.7878, 45.6067



36.6327, 45.0931, 28.9640



10.3046, 11.1114, 10.1782



25.8023, 31.4775, 4.7158



1.0162, 1.2358, 0.1850

Inverse Universe

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



27.2979, 25.4754, 51.0582



43.5042, 38.9623, 91.4538



32.2481, 28.0274, 51.2899



9.0322, 9.2335, 11.9784



6.2163, 2.4907, 32.5460



0.2491, 0.1004, 1.2751

Previews

White Background



This preview shows how the XYZ color 42.7104, 48.2247, 29.2475 looks on a white background.

Color Contrast Check

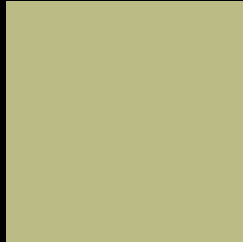
Large Text (above 18pt) WCAG AA × Fail

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 42.7104, 48.2247, 29.2475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

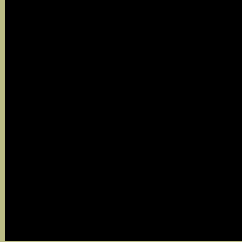
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

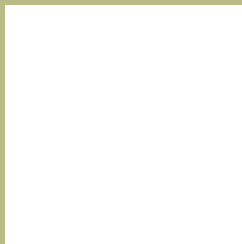
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7104, 48.2247, 29.2475

Background



This preview shows how black text looks on a background with the XYZ color 42.7104, 48.2247, 29.2475.



This preview shows how white text looks on a background with the XYZ color 42.7104, 48.2247,

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

42.7104, 48.2247, 29.2475

Protanopia

44.7904, 48.0618, 28.3889

Deuteranopia

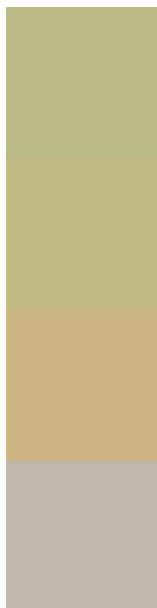
49.0088, 48.0990, 29.6227



Tritanopia

48.5645, 48.1397, 57.7712

Trichromacy



Original Color

42.7104, 48.2247, 29.2475

Protanomaly

44.0195, 47.9660, 28.7681

Deuteranomaly

46.5591, 48.0344, 29.3719

Tritanomaly

46.1181, 48.0520, 45.8740

Monochromacy



Original Color

42.7104, 48.2247, 29.2475

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.3698, 47.0286, 41.9136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7104, 48.2247, 29.2475 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, 188, 133)` looks like.

```
.text, #text, p{  
    color:rgb(187, 188, 133)  
}
```

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, 188, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 188, 133) }
```

Border

The CSS property to change the border of an element to XYZ 42.7104, 48.2247, 29.2475 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, 188, 133) }
```


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

```
.border{ border-color:rgb(187, 188, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 188, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 188, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 188, 133);  
box-shadow:4px 4px 4px 4px rgb(187, 188,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7104, 48.2247, 29.2475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 188, 133) }
```

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

```
.background{ background-color: rgb(187,  
188, 133) }
```

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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