

Converting Colors

XYZ(47.8598, 54.9284, 41.7466)

Have a look what the booklet for
XYZ(47.8598, 54.9284, 41.7466)
contains.

XYZ(47.8132, 54.9113, 41.7971)	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(47.8132, 54.9113,
41.7971)**

Conversions

Conversions Part 1

Format	Color
Hex	BBC9A1
RGB	187, 201, 161
RGB Percent	73%, 79%, 63%
CMY	0.2667, 0.2117, 0.3686
CMYK	0.07, 0.00, 0.20, 0.21
HSL	81°, 27%, 71%
HSV	81°, 20%, 79%
XYZ	47.8132, 54.9113, 41.7971
YIQ	192.2540, 4.4960, -15.4080

Conversions

Conversions Part 2

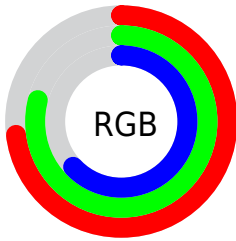
Format	Color
RYB	161, 201, 175
Decimal	12306849
CIELab	78.99, -11.79, 18.42
CIELCh	79, 21.870, 122.608
Yxy	54.9113, 0.3308, 0.3800
Android (android.graphics.Color)	4290496929 (0xFFBBC9A1)
YUV	192.2540, -15.4082, -4.6078
Hunter-Lab	74.1022, -14.5046, 18.4292

Details

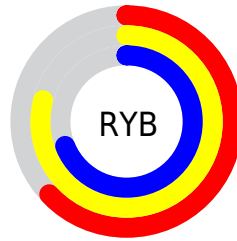
The XYZ color **47.8132, 54.9113, 41.7971** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.9688, 38.8222, 60.5955**, and the grayscale version is **50.3380, 52.9595, 57.6729**.

A 20% lighter version of the original color is **85.1168, 95.5326, 78.9192**, and **23.0256, 27.0399, 18.4736** is the 20% darker color. If you saturate the color by 10%, you get **44.5022, 53.3947, 33.1215**, and if you desaturate by 10%, it is **51.4965, 56.5902, 51.9799**.

Distribution



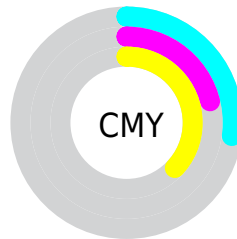
- Red (73%)
- Green (79%)
- Blue (63%)



- Red (63%)
- Yellow (79%)
- Blue (69%)



- Cyan (7%)
- Magenta (0%)
- Yellow (20%)
- Black (21%)





- Cyan (27%)
- Magenta (21%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8132, 54.9113, 41.7971 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 47.8132, 54.9113, 41.7971 by changing the saturation by 10% instead.


 47.8132, 54.9113,
41.7971


 47.8132, 54.9113,
41.7971


368.6461,
405.5756, 369.4160

 33.8896, 39.3307,
28.6181


 86.1376, 97.4110,
79.1592

 22.9713, 27.0171,
18.5490


 111.2691,
125.0989, 104.1794

 14.6929, 17.5861,
11.1713


140.8673,
157.5913, 133.9837

 8.6890, 10.6532,
6.0666

175.2976,
195.2727, 168.9907

 4.5944, 5.8342,
2.8162

214.9252,
238.5274, 209.6188

 2.0436, 2.7445,
1.0016

260.1156,

 0.6583, 0.9998,

287.7399, 256.2867

0.0000

311.2342,
343.2945, 309.4129

■ 0.0000, 0.0000,
0.0000

■ 47.8132, 54.9113,
41.7971

■ 47.8132, 54.9113,
41.7971

■ 44.5022, 53.3947,
33.1215

■ 51.4965, 56.5902,
51.9799

■ 41.5443, 52.0271,
25.8778

■ 55.5616, 58.4299,
63.7331

■ 38.9251, 50.8045,
19.9897

■ 60.0229, 60.4381,
77.1207

■ 36.6272, 49.7197,
15.3725

■ 64.8929, 62.6199,
92.2021

■ 34.6314, 48.7649,
11.9318

■ 69.1184, 64.5542,
103.4250

■ 32.9161, 47.9313,
9.5600

■ 71.3213, 65.6899,
103.5281

■ 31.4557, 47.2086,
8.1301

■ 73.6153, 66.8725,
103.6355

■ 30.2037, 46.5780,
7.4042

■ 76.0014, 68.1026,
103.7471

■ 30.1919, 46.5720,
7.3980

■ 78.4807, 69.3806,
103.8632

Harmonies

Analogous

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



51.8120, 54.9113, 38.9120



47.8132, 54.9113, 41.7971



45.1126, 54.9113, 49.4325

Triad

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



47.8132, 54.9113, 41.7971



48.4376, 54.9113, 83.6763



60.9999, 54.9113, 58.7059

Complementary

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



47.8132, 54.9113, 41.7971



40.9688, 38.8222, 60.5955

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.



59.9748, 54.9113, 71.4997



47.8132, 54.9113, 41.7971



52.5730, 54.9113, 87.0497

Square

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



47.8132, 54.9113, 41.7971



45.4587, 54.9113, 73.6473



56.8293, 54.9113, 82.3202



59.5583, 54.9113, 47.7884

Rectangle

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



47.8132, 54.9113, 41.7971



44.3294, 54.9113, 56.7600



56.8293, 54.9113, 82.3202



60.9324, 54.9113, 62.9240

Sweetspot

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



47.8146, 54.9137, 41.7983



90.7405, 98.0517, 96.3479



45.8524, 45.6525, 40.1141



19.3250, 20.9431, 20.3431



0.0000, 0.0000, 0.0000



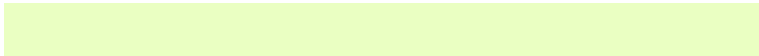
20.3446, 21.4041, 23.3091

Same Dimension

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



47.8146, 54.9137, 41.7983



79.2676, 92.8267, 64.6607



43.2577, 52.5645, 41.5850



11.1496, 12.2241, 11.3346



19.0847, 29.3338, 4.6561



0.9798, 1.4282, 0.2240

Inverse Universe

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



40.9688, 38.8222, 60.5955



65.3876, 60.1957, 102.7804



45.7951, 41.3103, 60.8213



10.4011, 10.4650, 13.3892



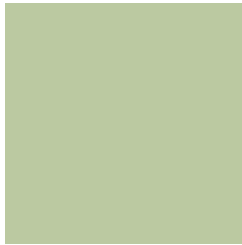
8.3237, 3.5253, 34.9861



0.4725, 0.2073, 1.6603

Previews

White Background



This preview shows how the XYZ color 47.8132, 54.9113, 41.7971 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 47.8132, 54.9113, 41.7971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

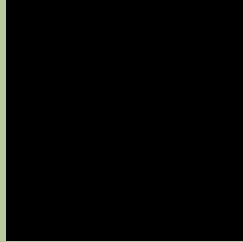
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8132, 54.9113, 41.7971

Background



This preview shows how black text looks on a background with the XYZ color 47.8132, 54.9113, 41.7971.



This preview shows how white text looks on a background with the XYZ color 47.8132, 54.9113,

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

47.8132, 54.9113, 41.7971

Protanopia

51.4188, 54.7642, 40.2082

Deuteranopia

55.7354, 54.6543, 42.7337



Tritanopia

53.1728, 54.7061, 68.7296

Trichromacy



Original Color

47.8132, 54.9113, 41.7971

Protanomaly

50.0437, 54.7151, 40.7244

Deuteranomaly

52.5448, 54.6332, 42.4262

Tritanomaly

50.9665, 54.8146, 57.7632

Monochromacy



Original Color

47.8132, 54.9113, 41.7971

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.0908, 53.3136, 51.4192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8132, 54.9113, 41.7971 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, 201, 161)` looks like.

```
.text, #text, p{  
    color:rgb(187, 201, 161)  
}
```

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, 201, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 201, 161) }
```

Border

The CSS property to change the border of an element to XYZ 47.8132, 54.9113, 41.7971 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, 201, 161) }
```


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

```
.border{ border-color:rgb(187, 201, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 201, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 201, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 201, 161);  
box-shadow:4px 4px 4px 4px rgb(187, 201,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8132, 54.9113, 41.7971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 201, 161) }
```

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

```
.background{ background-color: rgb(187,  
201, 161) }
```

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