

Converting Colors

XYZ(48.6441, 54.6369, 40.8377)

Have a look what the booklet for
XYZ(48.6441, 54.6369, 40.8377)
contains.

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Color

**XYZ(48.6738, 54.6875,
40.7913)**

Conversions

Conversions Part 1

Format	Color
Hex	C1C79F
RGB	193, 199, 159
RGB Percent	76%, 78%, 62%
CMY	0.2431, 0.2196, 0.3765
CMYK	0.03, 0.00, 0.20, 0.22
HSL	69°, 26%, 70%
HSV	69°, 20%, 78%
XYZ	48.6738, 54.6875, 40.7913
YIQ	192.6460, 9.2640, -13.7120

Conversions

Conversions Part 2

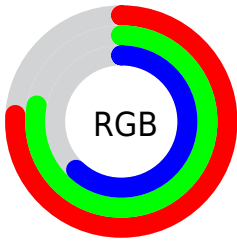
Format	Color
RYB	159, 199, 165
Decimal	12699551
CIELab	78.86, -8.86, 19.38
CIELCh	79, 21.304, 114.566
Yxy	54.6875, 0.3377, 0.3794
Android (android.graphics.Color)	4290889631 (0xFFC1C79F)
YUV	192.6460, -16.5875, 0.3105
Hunter-Lab	73.9510, -11.9273, 19.0614

Details

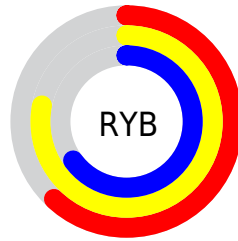
The XYZ color **48.6738, 54.6875, 40.7913** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.2261, 36.9206, 59.1474**, and the grayscale version is **50.5724, 53.2061, 57.9415**.

A 20% lighter version of the original color is **87.3219, 96.6990, 77.6808**, and **23.4267, 26.8013, 17.8484** is the 20% darker color. If you saturate the color by 10%, you get **46.3308, 53.6651, 32.3814**, and if you desaturate by 10%, it is **51.3131, 55.8339, 50.6686**.

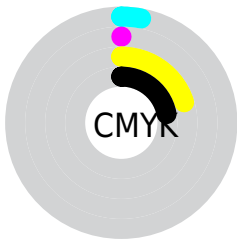
Distribution



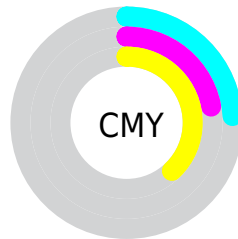
- Red (76%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (65%)



- Cyan (3%)
- Magenta (0%)
- Yellow (20%)
- Black (22%)



- Cyan (24%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6738, 54.6875, 40.7913 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 48.6738, 54.6875, 40.7913 by changing the saturation by 10% instead.

■ 48.6738, 54.6875,
40.7913

■ 48.6738, 54.6875,
40.7913

371.9950,
404.7263, 365.0984

■ 34.5743, 39.1516,
27.8376

■ 87.4104, 97.0829,
77.6172

■ 23.5001, 26.8777,
17.9653

■ 112.7782,
124.7113, 102.3265

■ 15.0859, 17.4814,
10.7559

142.6328,
157.1392, 131.7913

■ 8.9664, 10.5783,
5.7908

177.3395,
194.7510, 166.4303

■ 4.7762, 5.7840,
2.6516

217.2638,
237.9313, 206.6620

■ 2.1500, 2.7142,
0.9189

262.7708,

■ 0.7162, 0.9844,

287.0643, 252.9048

0.0000

314.2261,
342.5345, 305.5775

■ 0.0000, 0.0000,
0.0000

■ 48.6738, 54.6875,
40.7913

■ 48.6738, 54.6875,
40.7913

■ 46.3308, 53.6651,
32.3814

■ 51.3131, 55.8339,
50.6686

■ 44.2665, 52.7540,
25.3655

■ 54.2569, 57.1021,
62.0750

■ 42.4679, 51.9510,
19.6691

■ 57.5184, 58.4991,
75.0731

■ 40.9190, 51.2497,
15.2092

■ 61.1086, 60.0295,
89.7209

■ 39.6024, 50.6429,
11.8937

■ 64.4687, 61.4696,
103.0747

■ 38.4978, 50.1228,
9.6175

■ 65.3161, 61.9064,
103.1143

■ 37.5818, 49.6797,
8.2562

■ 66.1795, 62.3515,
103.1548

■ 36.8160, 49.2992,
7.5753

■ 67.0588, 62.8048,
103.1959

■ 67.9542, 63.2664,
103.2378

Harmonies

Analogous

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



52.7521, 54.6875, 39.2556



48.6738, 54.6875, 40.7913



45.6361, 54.6875, 47.0483

Triad

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



48.6738, 54.6875, 40.7913



47.4093, 54.6875, 80.5870



60.4936, 54.6875, 61.7763

Complementary

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



48.6738, 54.6875, 40.7913



38.2261, 36.9206, 59.1474

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.



58.8836, 54.6875, 74.0800



48.6738, 54.6875, 40.7913



51.2132, 54.6875, 85.8424

Square

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



48.6738, 54.6875, 40.7913



44.9343, 54.6875, 69.7520



55.4302, 54.6875, 83.3134



59.7237, 54.6875, 50.3864

Rectangle

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



48.6738, 54.6875, 40.7913



44.5340, 54.6875, 53.5651



55.4302, 54.6875, 83.3134



60.2103, 54.6875, 65.9550

Sweetspot

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



48.6752, 54.6899, 40.7925



91.8438, 98.6205, 96.3996



43.2682, 41.5571, 38.5426



19.5863, 21.0778, 20.3553



0.0000, 0.0000, 0.0000



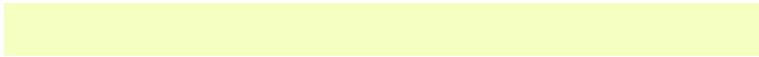
20.3446, 21.4041, 23.3091

Same Dimension

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



48.6752, 54.6899, 40.7925



83.4162, 94.9654, 64.8549



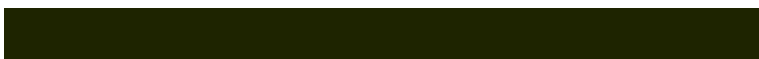
43.9169, 52.2369, 40.5698



11.3615, 12.3333, 11.3445



23.7311, 31.7291, 4.8736



1.1673, 1.5249, 0.2328

Inverse Universe

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



38.2261, 36.9206, 59.1474



61.9219, 58.4091, 102.6182



42.7163, 39.2354, 59.3576



10.2024, 10.3626, 13.3799



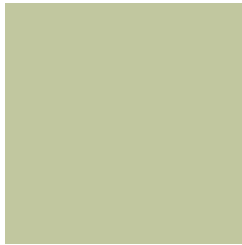
7.0174, 2.8518, 34.9250



0.3809, 0.1601, 1.6560

Previews

White Background



This preview shows how the XYZ color 48.6738, 54.6875, 40.7913 looks on a white background.

Color Contrast Check

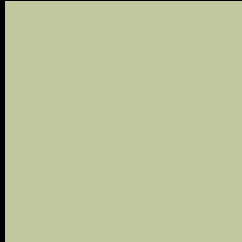
Large Text (above 18pt) WCAG AA × Fail

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 48.6738, 54.6875, 40.7913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

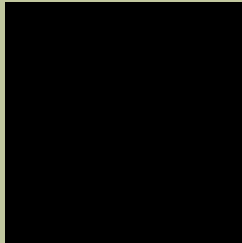
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

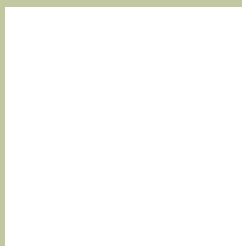
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6738, 54.6875, 40.7913

Background



This preview shows how black text looks on a background with the XYZ color 48.6738, 54.6875, 40.7913.



This preview shows how white text looks on a background with the XYZ color 48.6738, 54.6875,

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

48.6738, 54.6875, 40.7913

Protanopia

51.3330, 54.7299, 39.7567

Deuteranopia

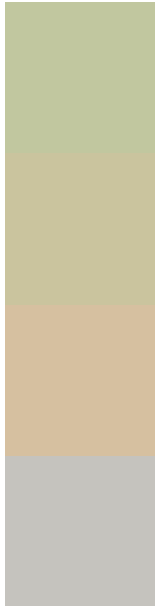
55.7803, 54.7084, 41.3381



Tritanopia

54.0542, 54.5327, 67.3514

Trichromacy



Original Color

48.6738, 54.6875, 40.7913

Protanomaly

50.2686, 54.5050, 40.2188

Deuteranomaly

52.9264, 54.5335, 40.9942

Tritanomaly

51.8353, 54.6182, 56.5256

Monochromacy



Original Color

48.6738, 54.6875, 40.7913

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.8479, 53.7039, 51.4547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6738, 54.6875, 40.7913 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(193, 199, 159)` looks like.

```
.text, #text, p{  
    color:rgb(193, 199, 159)  
}
```

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(193, 199, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 199, 159) }
```

Border

The CSS property to change the border of an element to XYZ 48.6738, 54.6875, 40.7913 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(193, 199, 159) }
```


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

```
.border{ border-color:rgb(193, 199, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 199, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 199, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 199, 159);  
box-shadow:4px 4px 4px 4px rgb(193, 199,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6738, 54.6875, 40.7913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 199, 159) }
```

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

```
.background{ background-color: rgb(193,  
199, 159) }
```

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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