

Converting Colors

XYZ(48.7883, 55.3163, 43.9051)

Have a look what the booklet for
XYZ(48.7883, 55.3163, 43.9051)
contains.

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Color

**XYZ(48.6644, 55.3087,
43.7081)**

Conversions

Conversions Part 1

Format	Color
Hex	BDC9A5
RGB	189, 201, 165
RGB Percent	74%, 79%, 65%
CMY	0.2588, 0.2117, 0.3529
CMYK	0.06, 0.00, 0.18, 0.21
HSL	80°, 25%, 72%
HSV	80°, 18%, 79%
XYZ	48.6644, 55.3087, 43.7081
YIQ	193.3080, 4.4040, -13.7400

Conversions

Conversions Part 2

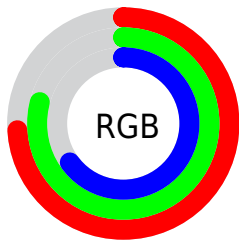
Format	Color
RYB	165, 201, 177
Decimal	12437925
CIELab	79.22, -10.42, 16.63
CIElCh	79, 19.631, 122.075
Yxy	55.3087, 0.3295, 0.3745
Android (android.graphics.Color)	4290628005 (0xFFBDC9A5)
YUV	193.3080, -13.9558, -3.7781
Hunter-Lab	74.3698, -13.3445, 17.2134

Details

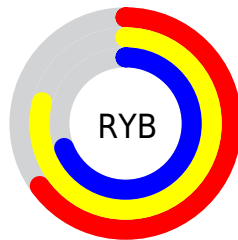
The XYZ color **48.6644, 55.3087, 43.7081** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.1315, 40.4760, 60.8534**, and the grayscale version is **50.9488, 53.6021, 58.3726**.

A 20% lighter version of the original color is **86.3345, 96.0998, 81.7089**, and **23.4060, 27.2106, 19.6413** is the 20% darker color. If you saturate the color by 10%, you get **45.3530, 53.7983, 34.7419**, and if you desaturate by 10%, it is **52.3432, 56.9786, 54.1947**.

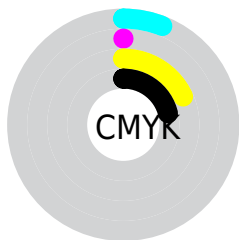
Distribution



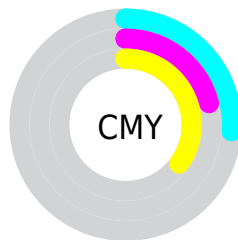
- Red (74%)
- Green (79%)
- Blue (65%)



- Red (65%)
- Yellow (79%)
- Blue (69%)



- Cyan (6%)
- Magenta (0%)
- Yellow (18%)
- Black (21%)





- Cyan (26%)
- Magenta (21%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6644, 55.3087, 43.7081 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 48.6644, 55.3087, 43.7081 by changing the saturation by 10% instead.


 48.6644, 55.3087,
43.7081


 48.6644, 55.3087,
43.7081


371.9585,
407.0810, 377.5222

 34.5668, 39.6489,
30.1056


 87.3965, 97.9931,
82.0761

 23.4943, 27.2649,
19.6660


 112.7618,
125.7865, 107.6787

 15.0816, 17.7723,
11.9708

142.6135,
158.3933, 138.1184

 8.9634, 10.7866,
6.6015

177.3173,
196.1978, 173.8137

 4.7742, 5.9235,
3.1395

217.2383,
239.5844, 215.1832

 2.1488, 2.7986,
1.1663

262.7419,

 0.7155, 1.0275,

288.9376, 262.6454

0.0000

314.1936,
344.6416, 316.6189

■ 0.0000, 0.0000,
0.0000

■ 48.6644, 55.3087,
43.7081

■ 48.6644, 55.3087,
43.7081

■ 45.3530, 53.7983,
34.7419

■ 52.3432, 56.9786,
54.1947

■ 42.3901, 52.4343,
27.2220

■ 56.3984, 58.8062,
66.2642

■ 39.7618, 51.2127,
21.0733

■ 60.8444, 60.7992,
79.9798

■ 37.4511, 50.1267,
16.2127

■ 65.6933, 62.9626,
95.4003

■ 35.4394, 49.1686,
12.5480

■ 69.2186, 64.6059,
103.4297

■ 33.7058, 48.3301,
9.9745

■ 71.3187, 65.6885,
103.5280

■ 32.2260, 47.6012,
8.3700

■ 73.5015, 66.8138,
103.6301

■ 30.9645, 46.9676,
7.5542

■ 75.7677, 67.9821,
103.7362

■ 30.7169, 46.8427,
7.4226

■ 78.1183, 69.1939,
103.8462

Harmonies

Analogous

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



52.2966, 55.3087, 41.1095



48.6644, 55.3087, 43.7081



46.1820, 55.3087, 50.6605

Triad

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



48.6644, 55.3087, 43.7081



49.1151, 55.3087, 81.3976



60.4737, 55.3087, 59.4429

Complementary

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



48.6644, 55.3087, 43.7081



42.1315, 40.4760, 60.8534

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.



59.5199, 55.3087, 70.9162



48.6644, 55.3087, 43.7081



52.8429, 55.3087, 84.4939

Square

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



48.6644, 55.3087, 43.7081



46.4329, 55.3087, 72.4378



56.6776, 55.3087, 80.4451



59.2237, 55.3087, 49.4627

Rectangle

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



48.6644, 55.3087, 43.7081



45.4463, 55.3087, 57.2920



56.6776, 55.3087, 80.4451



60.4001, 55.3087, 63.2498

Sweetspot

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



48.6659, 55.3111, 43.7093



91.5178, 98.4085, 98.3726



46.6031, 46.5802, 42.1328



19.4852, 21.0168, 20.7513



0.0000, 0.0000, 0.0000



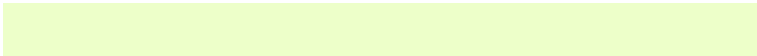
20.3446, 21.4041, 23.3091

Same Dimension

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



48.6659, 55.3111, 43.7093



81.3292, 93.7878, 69.3526



44.4745, 53.1504, 43.5131



11.1670, 12.2330, 11.3354



19.4130, 29.5031, 4.6715



0.9937, 1.4354, 0.2247

Inverse Universe

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



42.1315, 40.4760, 60.8534



68.3469, 64.3108, 103.4187



46.5054, 42.7309, 61.0581



10.3844, 10.4564, 13.3885



8.1725, 3.4473, 34.9790



0.4641, 0.2030, 1.6599

Previews

White Background



This preview shows how the XYZ color 48.6644, 55.3087, 43.7081 looks on a white background.

Color Contrast Check

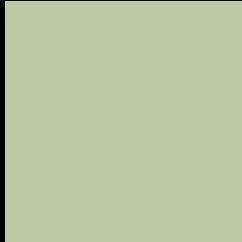
Large Text (above 18pt) WCAG AA × Fail

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 48.6644, 55.3087, 43.7081 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

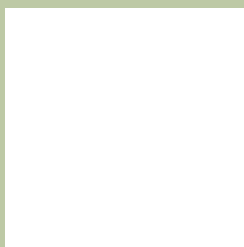
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6644, 55.3087, 43.7081

Background



This preview shows how black text looks on a background with the XYZ color 48.6644, 55.3087, 43.7081.



This preview shows how white text looks on a background with the XYZ color 48.6644, 55.3087,

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

48.6644, 55.3087, 43.7081

Protanopia

51.9936, 55.3539, 42.1264

Deuteranopia

56.3168, 55.2299, 44.7380



Tritanopia

53.9129, 55.4191, 68.8282

Trichromacy



Original Color

48.6644, 55.3087, 43.7081

Protanomaly

50.6244, 55.3119, 42.6584

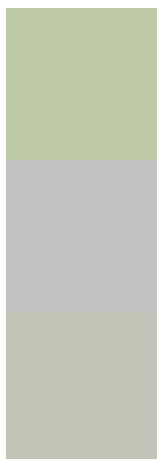
Deuteranomaly

53.1964, 54.9270, 44.3574

Tritanomaly

51.6962, 55.1650, 58.9622

Monochromacy



Original Color

48.6644, 55.3087, 43.7081

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.0254, 54.1052, 52.6065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6644, 55.3087, 43.7081 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(189, 201, 165)` looks like.

```
.text, #text, p{  
    color:rgb(189, 201, 165)  
}
```

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(189, 201, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 201, 165) }
```

Border

The CSS property to change the border of an element to XYZ 48.6644, 55.3087, 43.7081 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(189, 201, 165) }
```


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

```
.border{ border-color:rgb(189, 201, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 201, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 201, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 201, 165);  
box-shadow:4px 4px 4px 4px rgb(189, 201,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6644, 55.3087, 43.7081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 201, 165) }
```

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

```
.background{ background-color: rgb(189,  
201, 165) }
```

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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