

Converting Colors

XYZ(47.6963, 54.9741, 45.2410)

Have a look what the booklet for
XYZ(47.6963, 54.9741, 45.2410)
contains.

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Color

**XYZ(47.7169, 55.1355,
45.1731)**

Conversions

Conversions Part 1

Format	Color
Hex	B7CAA8
RGB	183, 202, 168
RGB Percent	72%, 79%, 66%
CMY	0.2823, 0.2078, 0.3412
CMYK	0.09, 0.00, 0.17, 0.21
HSL	94°, 24%, 73%
HSV	94°, 17%, 79%
XYZ	47.7169, 55.1355, 45.1731
YIQ	192.4430, -0.4100, -14.6020

Conversions

Conversions Part 2

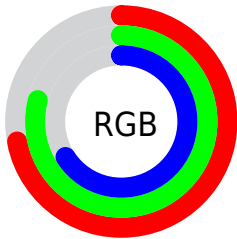
Format	Color
RYB	168, 202, 187
Decimal	12044968
CIELab	79.12, -12.61, 14.83
CIElCh	79, 19.468, 130.367
Yxy	55.1355, 0.3224, 0.3725
Android (android.graphics.Color)	4290235048 (0xFFB7CAA8)
YUV	192.4430, -12.0504, -8.2815
Hunter-Lab	74.2533, -15.2350, 15.9073

Details

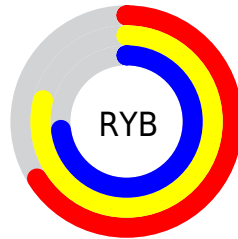
The XYZ color **47.7169, 55.1355, 45.1731** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.1590, 42.8359, 61.7680**, and the grayscale version is **50.4317, 53.0581, 57.7802**.

A 20% lighter version of the original color is **84.6759, 95.1984, 83.7243**, and **22.9482, 27.1866, 20.5610** is the 20% darker color. If you saturate the color by 10%, you get **43.4012, 53.1131, 35.8990**, and if you desaturate by 10%, it is **52.5434, 57.3907, 55.9995**.

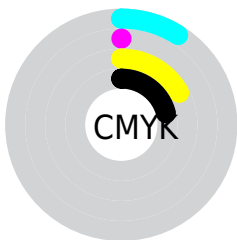
Distribution



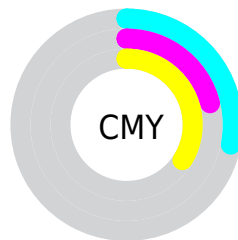
- Red (72%)
- Green (79%)
- Blue (66%)



- Red (66%)
- Yellow (79%)
- Blue (73%)



- Cyan (9%)
- Magenta (0%)
- Yellow (17%)
- Black (21%)





- Cyan (28%)
- Magenta (21%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7169, 55.1355, 45.1731 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 47.7169, 55.1355, 45.1731 by changing the saturation by 10% instead.


 47.7169, 55.1355,
45.1731


 47.7169, 55.1355,
45.1731


368.2702,
406.4254, 383.6547

 33.8131, 39.5102,
31.2499


 85.9950, 97.7395,
84.3013

 22.9122, 27.1569,
20.5291


 111.1000,
125.4869, 110.3433

 14.6491, 17.6911,
12.5924


140.6694,
158.0439, 141.2621

 8.6582, 10.7284,
7.0210

175.0685,
195.7948, 177.4760

 4.5742, 5.8845,
3.3966

214.6629,
239.1240, 219.4037

 2.0318, 2.7750,
1.3005

259.8177,

 0.6517, 1.0154,

288.4159, 267.4637

0.0622

310.8983,
344.0549, 322.0745

■ 0.0000, 0.0000,
0.0000

■ 47.7169, 55.1355,
45.1731

■ 47.7169, 55.1355,
45.1731

■ 43.4012, 53.1131,
35.8990

■ 52.5434, 57.3907,
55.9995

■ 39.5734, 51.3084,
28.1024

■ 57.8937, 59.8790,
68.4411

■ 36.2151, 49.7152,
21.7079

■ 63.7858, 62.6101,
82.5616

■ 33.3053, 48.3245,
16.6319

■ 70.2355, 65.5907,
98.4205

■ 30.8207, 47.1263,
12.7820

■ 74.9201, 67.8923,
103.7635

■ 28.7356, 46.1096,
10.0536

■ 78.8613, 69.9240,
103.9480

■ 27.0207, 45.2620,
8.3250

■ 80.4116, 70.7233,
104.0205

■ 25.6389, 44.5680,
7.4349

■ 25.2518, 44.3725,
7.2338

Harmonies

Analogous

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



51.0727, 55.1355, 41.3632



47.7169, 55.1355, 45.1731



45.6834, 55.1355, 53.1327

Triad

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



47.7169, 55.1355, 45.1731



49.9363, 55.1355, 82.5046



60.0960, 55.1355, 56.2675

Complementary

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



47.7169, 55.1355, 45.1731



45.1590, 42.8359, 61.7680

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.



59.7547, 55.1355, 67.5067



47.7169, 55.1355, 45.1731



53.7595, 55.1355, 83.6144

Square

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



47.7169, 55.1355, 45.1731



46.9203, 55.1355, 74.9719



57.3898, 55.1355, 77.8397



58.3005, 55.1355, 47.2237

Rectangle

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



47.7169, 55.1355, 45.1731



45.2887, 55.1355, 60.1703



57.3898, 55.1355, 77.8397



60.2295, 55.1355, 59.8963

Sweetspot

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



47.7184, 55.1379, 45.1743



90.4914, 97.8793, 98.3246



49.1339, 50.7993, 44.2623



19.2357, 20.8882, 20.7396



0.0000, 0.0000, 0.0000



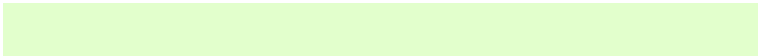
20.3446, 21.4041, 23.3091

Same Dimension

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



47.7184, 55.1379, 45.1743



78.1792, 92.1289, 70.7889



44.4980, 53.4593, 45.8559



11.5298, 12.7750, 11.9376



16.3472, 28.6026, 4.6593



0.9300, 1.5203, 0.2444

Inverse Universe

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



45.1590, 42.8359, 61.7680



73.0851, 67.6458, 103.8127



48.8223, 44.7475, 60.8943



11.1914, 11.1480, 14.1323



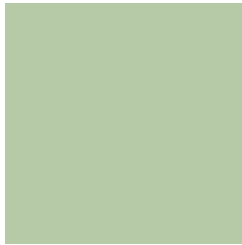
11.3373, 5.0521, 36.3339



0.6712, 0.3051, 1.8785

Previews

White Background



This preview shows how the XYZ color 47.7169, 55.1355, 45.1731 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 47.7169, 55.1355, 45.1731 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 47.7169, 55.1355, 45.1731

Background



This preview shows how black text looks on a background with the XYZ color 47.7169, 55.1355, 45.1731.



This preview shows how white text looks on a background with the XYZ color 47.7169, 55.1355,

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

47.7169, 55.1355, 45.1731

Protanopia

51.7602, 54.8686, 43.4600

Deuteranopia

55.7653, 54.5947, 46.1268



Tritanopia

52.7330, 55.1302, 69.4899

Trichromacy



Original Color

47.7169, 55.1355, 45.1731

Protanomaly

50.3657, 55.1471, 44.0663

Deuteranomaly

52.3381, 54.4521, 45.7820

Tritanomaly

50.5379, 54.8931, 59.5616

Monochromacy



Original Color

47.7169, 55.1355, 45.1731

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.2734, 53.7176, 52.5713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7169, 55.1355, 45.1731 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(183, 202, 168)` looks like.

```
.text, #text, p{  
    color:rgb(183, 202, 168)  
}
```

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(183, 202, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 202, 168) }
```

Border

The CSS property to change the border of an element to XYZ 47.7169, 55.1355, 45.1731 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(183, 202, 168) }
```


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

```
.border{ border-color:rgb(183, 202, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 202, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 202, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 202, 168); box-shadow:4px 4px 4px 4px rgb(183, 202, 168) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7169, 55.1355, 45.1731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 202, 168) }
```

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

```
.background{ background-color: rgb(183,  
202, 168) }
```

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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