

Converting Colors

XYZ(48.2308, 55.2210, 39.4967)

Have a look what the booklet for
XYZ(48.2308, 55.2210, 39.4967)
contains.

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Color

**XYZ(48.1226, 55.1207,
39.5555)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC99C
RGB	190, 201, 156
RGB Percent	75%, 79%, 61%
CMY	0.2549, 0.2117, 0.3882
CMYK	0.05, 0.00, 0.22, 0.21
HSL	75°, 29%, 70%
HSV	75°, 22%, 79%
XYZ	48.1226, 55.1207, 39.5555
YIQ	192.5810, 7.8890, -16.3270

Conversions

Conversions Part 2

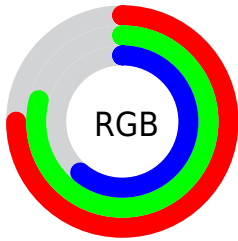
Format	Color
R _{YB}	156, 201, 167
Decimal	12503452
CIE Lab	79.11, -11.45, 21.28
CIE LCh	79, 24.162, 118.285
Yxy	55.1207, 0.3370, 0.3860
Android (android.graphics.Color)	4290693532 (0xFFBEC99C)
YUV	192.5810, -18.0344, -2.2635
Hunter-Lab	74.2433, -14.2267, 20.3817

Details

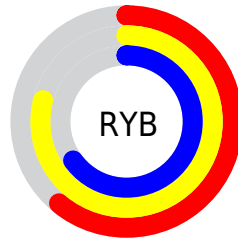
The XYZ color **48.1226, 55.1207, 39.5555** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.3695, 36.2109, 60.2284**, and the grayscale version is **50.5430, 53.1752, 57.9078**.

A 20% lighter version of the original color is **85.8756, 95.9973, 75.6312**, and **23.1369, 27.1216, 17.3802** is the 20% darker color. If you saturate the color by 10%, you get **45.3530, 53.8753, 31.2644**, and if you desaturate by 10%, it is **51.2182, 56.5050, 49.3344**.

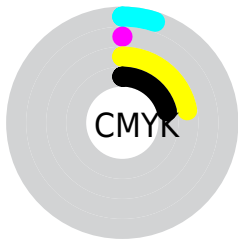
Distribution



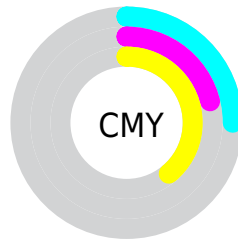
- Red (75%)
- Green (79%)
- Blue (61%)



- Red (61%)
- Yellow (79%)
- Blue (65%)



- Cyan (5%)
- Magenta (0%)
- Yellow (22%)
- Black (21%)





- Cyan (25%)
- Magenta (21%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1226, 55.1207, 39.5555 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 48.1226, 55.1207, 39.5555 by changing the saturation by 10% instead.


 48.1226, 55.1207,
39.5555


 48.1226, 55.1207,
39.5555


369.8524,
406.3693, 359.7427

 34.1356, 39.4984,
26.8810


 86.5955, 97.7178,
75.7158

 23.1612, 27.1476,
17.2522


 111.8122,
125.4613, 100.0387

 14.8339, 17.6841,
10.2506


141.5028,
158.0140, 129.0815

 8.7885, 10.7235,
5.4577

176.0327,
195.7603, 163.2628

 4.6595, 5.8812,
2.4548

215.7672,
239.0846, 203.0010

 2.0816, 2.7730,
0.8161

261.0718,

 0.6792, 1.0144,

288.3713, 248.7147

0.0000

312.3117,
344.0047, 300.8224

■ 0.0000, 0.0000,
0.0000

■ 48.1226, 55.1207,
39.5555

■ 48.1226, 55.1207,
39.5555

■ 45.3530, 53.8753,
31.2644

■ 51.2182, 56.5050,
49.3344

■ 42.8907, 52.7557,
24.3846

■ 54.6489, 58.0263,
60.6655

■ 40.7220, 51.7581,
18.8382

■ 58.4284, 59.6921,
73.6137

■ 38.8298, 50.8759,
14.5382

■ 62.5686, 61.5070,
88.2390

■ 37.1952, 50.1013,
11.3876

■ 66.8376, 63.3784,
103.3183

■ 35.7967, 49.4256,
9.2747

■ 68.2990, 64.1318,
103.3867

■ 34.6084, 48.8386,
8.0659

■ 69.8040, 64.9077,
103.4571

■ 33.8096, 48.4370,
7.5673

■ 71.3532, 65.7063,
103.5296

■ 72.9468, 66.5278,
103.6042

Harmonies

Analogous

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



52.6683, 55.1207, 37.2135



48.1226, 55.1207, 39.5555



44.8991, 55.1207, 47.1231

Triad

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



48.1226, 55.1207, 39.5555



47.6702, 55.1207, 85.5315



62.2058, 55.1207, 60.8146

Complementary

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



48.1226, 55.1207, 39.5555



38.3695, 36.2109, 60.2284

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.



60.6722, 55.1207, 75.0715



48.1226, 55.1207, 39.5555



52.1138, 55.1207, 90.6314

Square

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



48.1226, 55.1207, 39.5555



44.6494, 55.1207, 73.4861



56.9037, 55.1207, 86.5410



60.9785, 55.1207, 48.3034

Rectangle

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



48.1226, 55.1207, 39.5555



43.8337, 55.1207, 54.7900



56.9037, 55.1207, 86.5410



61.9943, 55.1207, 65.5665

Sweetspot

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



48.1240, 55.1231, 39.5567



90.7204, 98.0848, 94.3865



43.8173, 42.2740, 37.3035



19.3410, 20.9601, 19.9486



0.0000, 0.0000, 0.0000



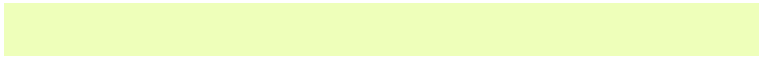
20.3446, 21.4041, 23.3091

Same Dimension

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



48.1240, 55.1231, 39.5567



79.9542, 93.2772, 60.3283



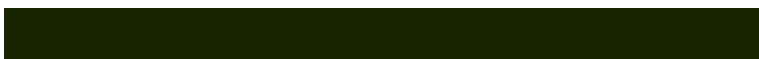
43.0377, 52.5010, 39.3186



11.2608, 12.2814, 11.3398



21.3433, 30.4982, 4.7618



1.0731, 1.4763, 0.2284

Inverse Universe

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



38.3695, 36.2109, 60.2284



60.2651, 55.0955, 102.0659



43.4192, 38.8141, 60.4647



10.2956, 10.4106, 13.3843



7.5002, 3.1007, 34.9476



0.4231, 0.1819, 1.6579

Previews

White Background



This preview shows how the XYZ color 48.1226, 55.1207, 39.5555 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 48.1226, 55.1207, 39.5555 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

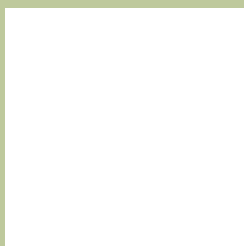
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.1226, 55.1207, 39.5555

Background



This preview shows how black text looks on a background with the XYZ color 48.1226, 55.1207, 39.5555.



This preview shows how white text looks on a background with the XYZ color 48.1226, 55.1207,

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

48.1226, 55.1207, 39.5555

Protanopia

51.2773, 54.7400, 38.0003

Deuteranopia

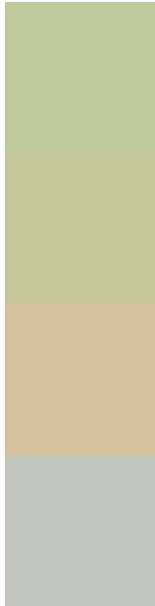
55.9198, 54.8005, 40.4312



Tritanopia

53.8264, 55.0573, 68.1118

Trichromacy



Original Color

48.1226, 55.1207, 39.5555

Protanomaly

49.8864, 54.6831, 38.4975

Deuteranomaly

52.9731, 54.9047, 40.1534

Tritanomaly

51.5087, 55.1195, 56.6395

Monochromacy



Original Color

48.1226, 55.1207, 39.5555

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.7164, 53.9816, 50.9792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1226, 55.1207, 39.5555 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(190, 201, 156)` looks like.

```
.text, #text, p{  
    color:rgb(190, 201, 156)  
}
```

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(190, 201, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 201, 156) }
```

Border

The CSS property to change the border of an element to XYZ 48.1226, 55.1207, 39.5555 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(190, 201, 156) }
```


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

```
.border{ border-color:rgb(190, 201, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 201, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 201, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 201, 156);  
box-shadow:4px 4px 4px 4px rgb(190, 201,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1226, 55.1207, 39.5555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 201, 156) }
```

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

```
.background{ background-color: rgb(190,  
201, 156) }
```

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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