

Converting Colors

XYZ(55.5601, 69.8102, 48.5766)

Have a look what the booklet for
XYZ(55.5601, 69.8102, 48.5766)
contains.

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Color

**XYZ(55.5601, 69.8102,
48.5766)**

Conversions

Conversions Part 1

Format	Color
Hex	B9E6AA
RGB	185, 230, 170
RGB Percent	73%, 90%, 67%
CMY	0.2745, 0.0980, 0.3333
CMYK	0.20, 0.00, 0.26, 0.10
HSL	105°, 55%, 78%
HSV	105°, 26%, 90%
XYZ	55.5601, 69.8102, 48.5766
YIQ	209.7050, -7.5600, -28.2000

Conversions

Conversions Part 2

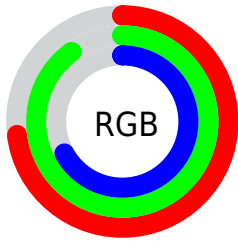
Format	Color
RYB	170, 230, 215
Decimal	12183210
CIELab	86.90, -25.48, 24.60
CIELCh	87, 35.419, 136.014
Yxy	69.8102, 0.3194, 0.4013
Android (android.graphics.Color)	4290373290 (0xFFB9E6AA)
YUV	209.7050, -19.5746, -21.6663
Hunter-Lab	83.5525, -27.5193, 24.0161

Details

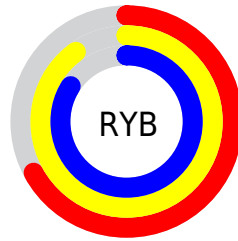
The XYZ color **55.5601, 69.8102, 48.5766** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.6849, 48.9117, 81.3199**, and the grayscale version is **61.1945, 64.3813, 70.1113**.

A 20% lighter version of the original color is **86.1054, 95.8882, 85.9215**, and **27.7070, 36.3818, 22.3917** is the 20% darker color. If you saturate the color by 10%, you get **49.6600, 67.0005, 37.9194**, and if you desaturate by 10%, it is **62.3495, 73.0386, 61.2653**.

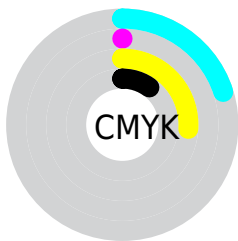
Distribution



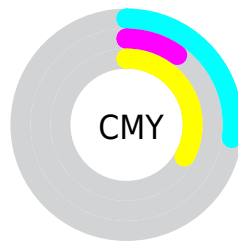
- Red (73%)
- Green (90%)
- Blue (67%)



- Red (67%)
- Yellow (90%)
- Blue (84%)



- Cyan (20%)
- Magenta (0%)
- Yellow (26%)
- Black (10%)



- Cyan (27%)
- Magenta (10%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5601, 69.8102, 48.5766 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 55.5601, 69.8102, 48.5766 by changing the saturation by 10% instead.

■ 55.5601, 69.8102,
48.5766

■ 55.5601, 69.8102,
48.5766

398.1335,
459.8833, 397.6475

■ 40.0859, 51.3718,
33.9205

■ 97.5047, 118.9380,
89.4368

■ 27.7901, 36.5046,
22.5557

124.7058,
150.3963, 116.4779

■ 18.3071, 24.8242,
14.0636

156.5466,
186.9633, 148.4844

■ 11.2717, 15.9461,
8.0256

193.3924,
229.0234, 185.8750

■ 6.3185, 9.4860,
4.0233

235.6087,
276.9611, 229.0680

■ 3.0822, 5.0595,
1.6382

283.5608,

■ 1.1974, 2.2822,

331.1607, 278.4821

0.3178

337.6139,
392.0067, 334.5358

■ 0.1043, 0.7643,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.5601, 69.8102,
48.5766

■ 55.5601, 69.8102,
48.5766

■ 49.6600, 67.0005,
37.9194

■ 62.3495, 73.0386,
61.2653

■ 44.6060, 64.5831,
29.1840

■ 70.0583, 76.6927,
76.0786

■ 40.3592, 62.5428,
22.2569

■ 78.7218, 80.7909,
93.1093

■ 36.8754, 60.8593,
17.0112

■ 87.2232, 84.8883,
106.3957

■ 34.1056, 59.5106,
13.3035

■ 87.5882, 85.0764,
106.4127

■ 31.9948, 58.4720,
10.9664

■ 30.4777, 57.7143,
9.7920

■ 30.0139, 57.4809,
9.5130

Harmonies

Analogous

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



62.0633, 69.8102, 40.1137



55.5601, 69.8102, 48.5766



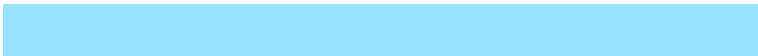
52.0925, 69.8102, 65.5311

Triad

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



55.5601, 69.8102, 48.5766



62.5844, 69.8102, 129.2953



82.8340, 69.8102, 64.1319

Complementary

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



55.5601, 69.8102, 48.5766



56.6849, 48.9117, 81.3199

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.



83.0028, 69.8102, 87.5535



55.5601, 69.8102, 48.5766



70.8349, 69.8102, 128.7021

Square

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



55.5601, 69.8102, 48.5766



55.9141, 69.8102, 113.6960



78.4591, 69.8102, 112.2129



78.0153, 69.8102, 47.7365

Rectangle

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



55.5601, 69.8102, 48.5766



51.7666, 69.8102, 80.8812



78.4591, 69.8102, 112.2129



83.4492, 69.8102, 71.3412

Sweetspot

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



55.5619, 69.8132, 48.5781



86.5308, 95.9677, 92.2576



64.1922, 68.3293, 47.8368



18.1969, 20.3874, 19.1204



0.0000, 0.0000, 0.0000



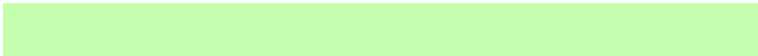
20.3446, 21.4041, 23.3091

Same Dimension

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



55.5619, 69.8132, 48.5781



66.2811, 86.3495, 54.2221



53.6335, 68.6456, 56.3237



14.5252, 16.2623, 15.2778



17.0856, 32.5894, 5.3899



1.3461, 2.4513, 0.4022

Inverse Universe

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



56.6849, 48.9117, 81.3199



67.9058, 55.9541, 101.8289



59.2762, 50.4806, 70.9124



14.6248, 14.4243, 18.1577



17.8987, 8.2930, 43.0405



1.4062, 0.6559, 3.1845

Previews

White Background



This preview shows how the XYZ color 55.5601, 69.8102, 48.5766 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 55.5601, 69.8102, 48.5766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

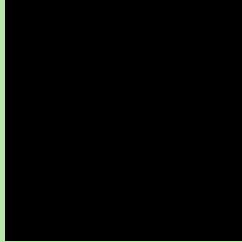
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.5601, 69.8102, 48.5766

Background



This preview shows how black text looks on a background with the XYZ color 55.5601, 69.8102, 48.5766.



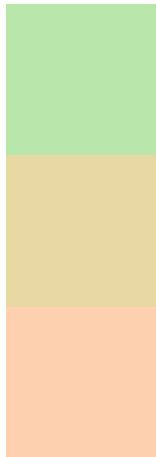
This preview shows how white text looks on a background with the XYZ color 55.5601, 69.8102,

48.5766.

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

55.5601, 69.8102, 48.5766

Protanopia

64.7924, 69.4618, 45.1145

Deuteranopia

70.8018, 69.0895, 50.1614



Tritanopia

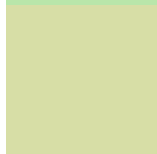
64.2014, 69.6807, 91.7273

Trichromacy



Original Color

55.5601, 69.8102, 48.5766



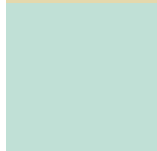
Protanomaly

61.0285, 69.4428, 46.2636



Deuteranomaly

64.0936, 68.6228, 49.4026



Tritanomaly

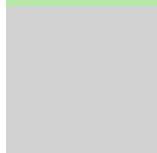
60.5315, 69.3728, 73.8183

Monochromacy



Original Color

55.5601, 69.8102, 48.5766



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

58.7506, 65.9833, 61.2693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5601, 69.8102, 48.5766 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(185, 230, 170)` looks like.

```
.text, #text, p{  
    color:rgb(185, 230, 170)  
}
```

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(185, 230, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 230, 170) }
```

Border

The CSS property to change the border of an element to XYZ 55.5601, 69.8102, 48.5766 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(185, 230, 170) }
```


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

```
.border{ border-color:rgb(185, 230, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 230, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 230, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 230, 170);  
box-shadow:4px 4px 4px 4px rgb(185, 230,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5601, 69.8102, 48.5766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 230, 170) }
```

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

```
.background{ background-color: rgb(185,  
230, 170) }
```

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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