

Converting Colors

XYZ(55.2308, 69.4343, 55.4585)

Have a look what the booklet for
XYZ(55.2308, 69.4343, 55.4585)
contains.

XYZ(55.2042, 69.4775, 55.3007)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.2042, 69.4775,
55.3007)**

Conversions

Conversions Part 1

Format	Color
Hex	B2E6B7
RGB	178, 230, 183
RGB Percent	70%, 90%, 72%
CMY	0.3020, 0.0980, 0.2823
CMYK	0.23, 0.00, 0.20, 0.10
HSL	126°, 51%, 80%
HSV	126°, 23%, 90%
XYZ	55.2042, 69.4775, 55.3007
YIQ	209.0940, -15.9050, -25.6410

Conversions

Conversions Part 2

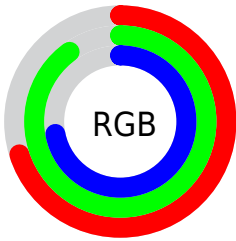
Format	Color
RYB	178, 225, 230
Decimal	11724471
CIELab	86.74, -25.67, 17.57
CIELCh	87, 31.108, 145.618
Yxy	69.4775, 0.3067, 0.3860
Android (android.graphics.Color)	4289914551 (0xFFB2E6B7)
YUV	209.0940, -12.8643, -27.2694
Hunter-Lab	83.3532, -27.6488, 19.0112

Details

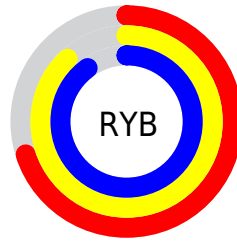
The XYZ color **55.2042, 69.4775, 55.3007** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.1466, 54.1017, 78.4045**, and the grayscale version is **60.7560, 63.9200, 69.6089**.

A 20% lighter version of the original color is **85.2717, 95.2444, 95.5511**, and **27.4775, 36.1689, 26.6522** is the 20% darker color. If you saturate the color by 10%, you get **48.3565, 66.1812, 44.5074**, and if you desaturate by 10%, it is **63.2601, 73.3637, 67.8217**.

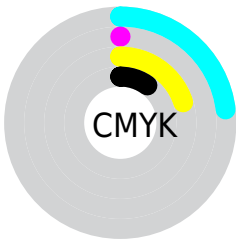
Distribution



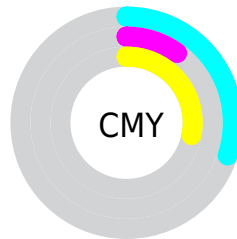
- Red (70%)
- Green (90%)
- Blue (72%)



- Red (70%)
- Yellow (88%)
- Blue (90%)



- Cyan (23%)
- Magenta (0%)
- Yellow (20%)
- Black (10%)





- Cyan (30%)
- Magenta (10%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2042, 69.4775, 55.3007 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 55.2042, 69.4775, 55.3007 by changing the saturation by 10% instead.

 55.2042, 69.4775,
55.3007

 55.2042, 69.4775,
55.3007


396.8093,
458.7133, 424.3648

 39.7997, 51.1007,
39.2423

 96.9867, 118.4633,
99.4570

 27.5659, 36.2887,
26.6390


124.0953,
149.8411, 128.3919

 18.1375, 24.6573,
17.0722


155.8361,
186.3214, 162.4561

 11.1490, 15.8219,
10.1235

192.5744,
228.2885, 202.0681

 6.2352, 9.3982,
5.3743

234.6755,
276.1268, 247.6464

 3.0306, 5.0018,
2.4059

282.5048,

 1.1700, 2.2483,

330.2208, 299.6096

0.7897

336.4276,
390.9548, 358.3762

■ 0.0825, 0.7462,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.2042, 69.4775,
55.3007

■ 55.2042, 69.4775,
55.3007

■ 48.3565, 66.1812,
44.5074

■ 63.2601, 73.3637,
67.8217

■ 42.6533, 63.4376,
35.3618

■ 72.5727, 77.8573,
82.1369

■ 38.0337, 61.2191,
27.7841

■ 83.1947, 82.9861,
98.3145

■ 34.4287, 59.4918,
21.6862

■ 87.5881, 85.0763,
106.4127

■ 31.7614, 58.2184,
16.9715

■ 29.9438, 57.3556,
13.5315

■ 28.8708, 56.8521,
11.2420

■ 28.4441, 56.6547,
10.2012

Harmonies

Analogous

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



60.2002, 69.4775, 45.1020



55.2042, 69.4775, 55.3007



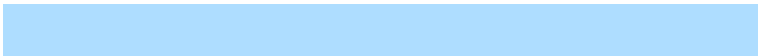
53.1098, 69.4775, 72.6446

Triad

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



55.2042, 69.4775, 55.3007



64.9787, 69.4775, 122.7526



79.3962, 69.4775, 59.6923

Complementary

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



55.2042, 69.4775, 55.3007



62.1466, 54.1017, 78.4045

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.



80.9065, 69.4775, 78.7355



55.2042, 69.4775, 55.3007



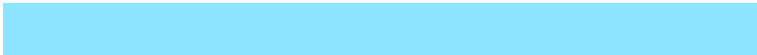
72.2379, 69.4775, 117.5779

Square

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



55.2042, 69.4775, 55.3007



58.4852, 69.4775, 113.5390



78.2000, 69.4775, 100.4617



74.2108, 69.4775, 47.2938

Rectangle

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



55.2042, 69.4775, 55.3007



53.5200, 69.4775, 86.8944



78.2000, 69.4775, 100.4617



80.3660, 69.4775, 65.4186

Sweetspot

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



55.2061, 69.4804, 55.3022



86.2954, 95.7745, 95.4960



67.5952, 75.9264, 53.2129



18.3173, 20.4256, 20.2043



0.0000, 0.0000, 0.0000



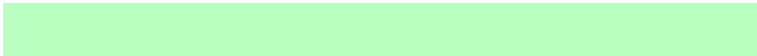
20.3446, 21.4041, 23.3091

Same Dimension

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



55.2061, 69.4804, 55.3022



65.6462, 85.8179, 63.4225



58.0853, 70.6321, 70.4639



14.2453, 16.1116, 15.5567



16.1225, 32.0811, 5.8796



1.2107, 2.3784, 0.5361

Inverse Universe

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



62.1466, 54.1017, 78.4045



75.8328, 63.2419, 97.3262



58.9421, 52.8199, 61.5300



14.9322, 14.5901, 17.8435



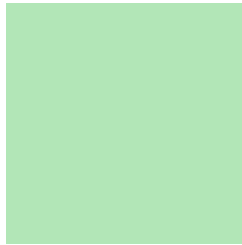
24.9378, 12.1093, 34.8968



1.8603, 0.9018, 2.6707

Previews

White Background



This preview shows how the XYZ color 55.2042, 69.4775, 55.3007 looks on a white background.

Color Contrast Check

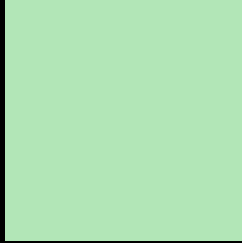
Large Text (above 18pt) WCAG AA × Fail

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 55.2042, 69.4775, 55.3007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

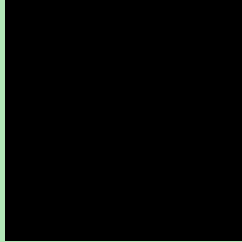
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

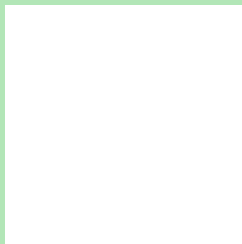
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.2042, 69.4775, 55.3007

Background



This preview shows how black text looks on a background with the XYZ color 55.2042, 69.4775, 55.3007.



This preview shows how white text looks on a background with the XYZ color 55.2042, 69.4775,

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

55.2042, 69.4775, 55.3007

Protanopia

64.7054, 68.9043, 50.9638

Deuteranopia

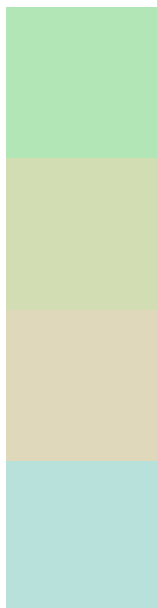
70.3444, 68.6990, 57.1296



Tritanopia

62.5885, 69.2252, 92.5011

Trichromacy



Original Color

55.2042, 69.4775, 55.3007

Protanomaly

60.5715, 68.6692, 52.7099

Deuteranomaly

63.8502, 68.3449, 56.2810

Tritanomaly

59.4786, 69.1552, 77.2313

Monochromacy



Original Color

55.2042, 69.4775, 55.3007

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

58.5269, 65.8016, 64.2599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2042, 69.4775, 55.3007 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(178, 230, 183)` looks like.

```
.text, #text, p{  
    color:rgb(178, 230, 183)  
}
```

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(178, 230, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 230, 183) }
```

Border

The CSS property to change the border of an element to XYZ 55.2042, 69.4775, 55.3007 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(178, 230, 183) }
```


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

```
.border{ border-color:rgb(178, 230, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 230, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 230, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 230, 183);  
box-shadow:4px 4px 4px 4px rgb(178, 230,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2042, 69.4775, 55.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 230, 183) }
```

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

```
.background{ background-color: rgb(178,  
230, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor