

Converting Colors

XYZ(55.2965, 55.7264, 87.1995)

Have a look what the booklet for
XYZ(55.2965, 55.7264, 87.1995)
contains.

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Color

**XYZ(55.3945, 55.7777,
87.2035)**

Conversions

Conversions Part 1

Format	Color
Hex	BCC3EC
RGB	188, 195, 236
RGB Percent	74%, 76%, 93%
CMY	0.2627, 0.2353, 0.0745
CMYK	0.20, 0.17, 0.00, 0.07
HSL	231°, 56%, 83%
HSV	231°, 20%, 93%
XYZ	55.3945, 55.7777, 87.2035
YIQ	197.5810, -17.3330, 11.2670

Conversions

Conversions Part 2

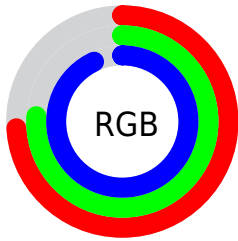
Format	Color
R_{YB}	188, 194, 236
Decimal	12370924
CIE _{Lab}	79.49, 6.07, -21.10
CIE _{LCh}	79, 21.955, 286.044
Yxy	55.7777, 0.2792, 0.2812
Android (android.graphics.Color)	4290561004 (0xFFBCC3EC)
YUV	197.5810, 18.9406, -8.4025
Hunter-Lab	74.6845, 1.6981, -16.9494

Details

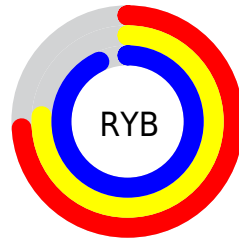
The XYZ color **55.3945, 55.7777, 87.2035** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **71.6892, 77.5026, 58.7596**, and the grayscale version is **53.3201, 56.0969, 61.0895**.

A 20% lighter version of the original color is **90.2034, 95.6268, 108.3113**, and **27.5946, 27.4134, 47.0169** is the 20% darker color. If you saturate the color by 10%, you get **45.8337, 44.5918, 85.5492**, and if you desaturate by 10%, it is **66.5192, 68.6776, 89.1080**.

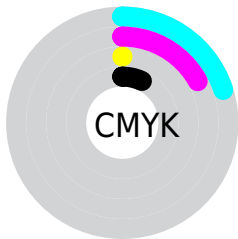
Distribution



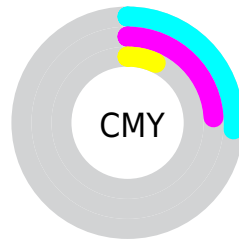
- Red (74%)
- Green (76%)
- Blue (93%)



- Red (74%)
- Yellow (76%)
- Blue (93%)



- Cyan (20%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



- Cyan (26%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3945, 55.7777, 87.2035 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 55.3945, 55.7777, 87.2035 by changing the saturation by 10% instead.

■ 55.3945, 55.7777,
87.2035

■ 55.3945, 55.7777,
87.2035

397.5177,
408.8532, 539.2249

■ 39.9528, 40.0247,
65.1030

■ 97.2637, 98.6795,
145.3491

■ 27.6858, 27.5578,
47.0928

124.4218,
126.5971, 182.2314

■ 18.2282, 17.9926,
32.7541

156.2161,
159.3383, 224.8779

■ 11.2146, 10.9447,
21.6686

193.0120,
197.2876, 273.7074

■ 6.2797, 6.0296,
13.4176

235.1747,
240.8293, 329.1383

■ 3.0582, 2.8631,
7.5826

283.0697,

■ 1.1846, 1.0607,

290.3479, 391.5891

3.7451

337.0622,
346.2277, 461.4785

■ 0.0942, 0.0000,
1.4866

■ 0.0000, 0.0000,
0.2079

■ 55.3945, 55.7777,
87.2035

■ 55.3945, 55.7777,
87.2035

■ 45.8337, 44.5918,
85.5492

■ 66.5192, 68.6776,
89.1080

■ 37.7611, 35.0409,
84.1312

■ 79.2684, 83.3527,
91.2686

■ 31.1025, 27.0495,
82.9396

■ 92.1405, 98.8362,
93.5788

■ 25.7754, 20.5340,
81.9628

■ 21.6884, 15.4022,
81.1877

■ 18.7381, 11.5518,
80.6000

■ 16.8039, 8.8651,
80.1833

■ 15.7248, 7.2247,
79.9236

Harmonies

Analogous

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



50.9952, 55.7777, 87.4955



55.3945, 55.7777, 87.2035



59.3598, 55.7777, 79.2063

Triad

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



55.3945, 55.7777, 87.2035



59.1244, 55.7777, 44.8670



45.2005, 55.7777, 55.0591

Complementary

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



55.3945, 55.7777, 87.2035



71.6892, 77.5026, 58.7596

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.



47.1393, 55.7777, 45.3807



55.3945, 55.7777, 87.2035



55.0875, 55.7777, 40.0727

Square

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



55.3945, 55.7777, 87.2035



61.5935, 55.7777, 54.2618



50.7047, 55.7777, 40.2466



45.2725, 55.7777, 67.6981

Rectangle

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



55.3945, 55.7777, 87.2035



61.1521, 55.7777, 71.1416



50.7047, 55.7777, 40.2466



45.6338, 55.7777, 51.3916

Sweetspot

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



55.3962, 55.7800, 87.2048



85.6152, 89.1564, 107.3043



64.8507, 76.3294, 85.2986



18.1147, 18.8407, 22.9318



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.



55.3962, 55.7800, 87.2048



61.5384, 61.2459, 103.1860



58.2466, 54.9748, 86.8991



14.4085, 14.9034, 19.0395



8.7241, 4.0953, 44.0736



0.7401, 0.4317, 3.4792

Inverse Universe

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



62.4271, 57.7410, 59.4871



71.2343, 64.0534, 64.9386



68.3474, 78.7140, 59.1695



15.1550, 15.0898, 16.1014



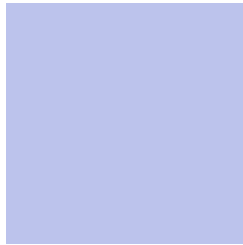
19.2588, 9.9062, 1.8985



1.5401, 0.7890, 0.2954

Previews

White Background



This preview shows how the XYZ color 55.3945, 55.7777, 87.2035 looks on a white background.

Color Contrast Check

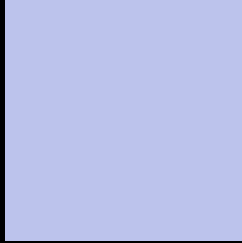
Large Text (above 18pt) WCAG AA × Fail

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 55.3945, 55.7777, 87.2035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

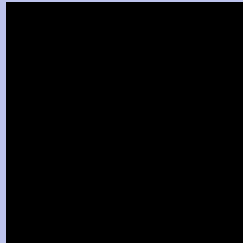
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.3945, 55.7777, 87.2035

Background



This preview shows how black text looks on a background with the XYZ color 55.3945, 55.7777, 87.2035.



This preview shows how white text looks on a background with the XYZ color 55.3945, 55.7777,

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

55.3945, 55.7777, 87.2035

Protanopia

55.3945, 55.7777, 87.2035

Deuteranopia

56.9006, 55.5495, 87.8439



Tritanopia

52.4563, 55.9435, 72.3234

Trichromacy



Original Color

55.3945, 55.7777, 87.2035

Protanomaly

55.3945, 55.7777, 87.2035

Deuteranomaly

56.3483, 55.5918, 87.8812

Tritanomaly

53.5209, 56.0302, 77.8061

Monochromacy



Original Color

55.3945, 55.7777, 87.2035

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

54.0981, 56.1553, 70.2751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3945, 55.7777, 87.2035 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(188, 195, 236)` looks like.

```
.text, #text, p{  
    color:rgb(188, 195, 236)  
}
```

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(188, 195, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 195, 236) }
```

Border

The CSS property to change the border of an element to XYZ 55.3945, 55.7777, 87.2035 is called "border". The border property can be set on classes, ids or directly on the HTML element.

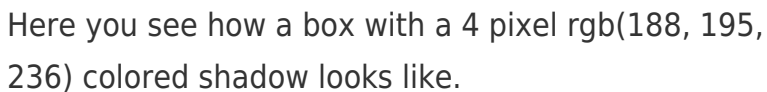
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 195, 236) }
```


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

```
.border{ border-color:rgb(188, 195, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 195, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 195, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 195, 236); box-shadow:4px 4px 4px 4px rgb(188, 195, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3945, 55.7777, 87.2035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 195, 236) }
```

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

```
.background{ background-color: rgb(188,  
195, 236) }
```

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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