

Converting Colors

XYZ(39.3130, 55.7977, 45.9139)

Have a look what the booklet for
XYZ(39.3130, 55.7977, 45.9139)
contains.

XYZ(39.3695, 55.9320, 45.7667)	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(39.3695, 55.9320,
45.7667)**

Conversions

Conversions Part 1

Format	Color
Hex	78D8A8
RGB	120, 216, 168
RGB Percent	47%, 85%, 66%
CMY	0.5294, 0.1529, 0.3412
CMYK	0.44, 0.00, 0.22, 0.15
HSL	150°, 55%, 66%
HSV	150°, 44%, 85%
XYZ	39.3695, 55.9320, 45.7667
YIQ	181.8240, -41.8080, -35.2800

Conversions

Conversions Part 2

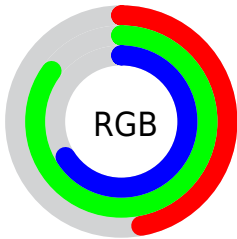
Format	Color
RYB	120, 184, 216
Decimal	7919784
CIELab	79.58, -39.25, 14.97
CIElCh	80, 42.004, 159.124
Yxy	55.9320, 0.2791, 0.3965
Android (android.graphics.Color)	4286109864 (0xFF78D8A8)
YUV	181.8240, -6.8152, -54.2196
Hunter-Lab	74.7877, -36.9131, 16.0686

Details

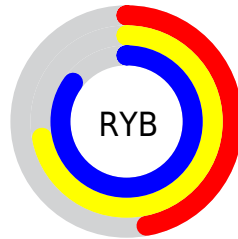
The XYZ color **39.3695, 55.9320, 45.7667** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **42.1052, 30.8604, 40.7855**, and the grayscale version is **44.4211, 46.7345, 50.8938**.

A 20% lighter version of the original color is **66.9838, 86.0778, 82.8963**, and **17.9472, 27.8075, 20.9445** is the 20% darker color. If you saturate the color by 10%, you get **35.7404, 54.1741, 40.5614**, and if you desaturate by 10%, it is **43.7609, 58.0762, 51.4464**.

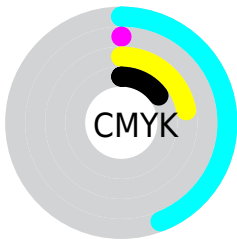
Distribution



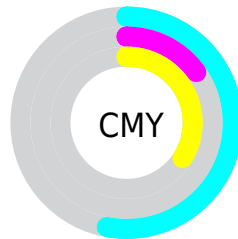
- Red (47%)
- Green (85%)
- Blue (66%)



- Red (47%)
- Yellow (72%)
- Blue (85%)



- Cyan (44%)
- Magenta (0%)
- Yellow (22%)
- Black (15%)





- Cyan (53%)
- Magenta (15%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3695, 55.9320, 45.7667 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 39.3695, 55.9320, 45.7667 by changing the saturation by 10% instead.


 39.3695, 55.9320,
45.7667


 39.3695, 55.9320,
45.7667


334.6391,
409.4352, 386.1202


 27.2293, 40.1484,
31.7144


 73.4929, 98.9051,
85.2003

 17.8830, 27.6543,
20.8805


 96.2068, 126.8635,
111.4188

 10.9652, 18.0652,
12.8463


 123.1761,
159.6489, 142.5297

 6.1106, 10.9968,
7.1933

154.7660,
197.6457, 178.9516

 2.9537, 6.0647,
3.5030

191.3418,
241.2383, 221.1031

 1.1293, 2.8845,
1.3569

233.2691,

 0.0494, 1.0717,

290.8112, 269.4026

0.1077

280.9130,
346.7487, 324.2688

■ 0.0000, 0.0000,
0.0000

■ 39.3695, 55.9320,
45.7667

■ 39.3695, 55.9320,
45.7667

■ 35.7404, 54.1741,
40.5614

■ 43.7609, 58.0762,
51.4464

■ 32.8210, 52.7712,
35.8139

■ 48.9537, 60.6222,
57.6090

■ 30.5591, 51.6980,
31.5119


■ 54.9897, 63.5927,
64.2674


■ 28.8924, 50.9227,
27.6413


■ 61.9063, 67.0069,
71.4329


■ 27.7457, 50.4069,
24.1865


■ 69.7386, 70.8827,
79.1164

 27.2636, 50.1965,
22.4390

 78.5199, 75.2369,
87.3285

 82.0662, 76.8815,
95.7885

 83.7514, 77.5556,
104.6627

 83.8469, 77.5938,
105.1656

Harmonies

Analogous

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



43.5469, 55.9320, 31.4450



39.3695, 55.9320, 45.7667



38.6683, 55.9320, 68.5876

Triad

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



39.3695, 55.9320, 45.7667



55.7821, 55.9320, 119.4254



66.8010, 55.9320, 35.9875

Complementary

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



39.3695, 55.9320, 45.7667



42.1052, 30.8604, 40.7855

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.



70.8877, 55.9320, 53.8103



39.3695, 55.9320, 45.7667



64.0968, 55.9320, 104.6448

Square

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



39.3695, 55.9320, 45.7667



47.5750, 55.9320, 115.6003



69.8488, 55.9320, 79.0491



59.1695, 55.9320, 26.9276

Rectangle

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



39.3695, 55.9320, 45.7667



40.1841, 55.9320, 86.4946



69.8488, 55.9320, 79.0491



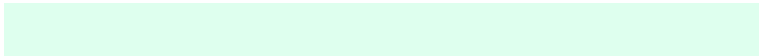
68.6698, 55.9320, 40.9302

Sweetspot

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



39.3710, 55.9343, 45.7680



81.3334, 93.2239, 94.9236



44.4391, 58.9718, 26.8105



16.9581, 19.7316, 19.8370



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.



39.3710, 55.9343, 45.7680



52.4999, 79.1084, 59.7539



44.4922, 57.9828, 72.7360



12.5188, 13.9985, 14.5463



16.1911, 29.7318, 13.5680



1.0184, 1.8100, 1.0384

Inverse Universe

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



42.1052, 30.8604, 40.7855



56.9539, 38.2631, 51.6375



38.5251, 29.4284, 21.9332



12.6796, 12.5233, 14.2532



18.4187, 9.3038, 9.5087



1.1527, 0.5779, 0.7935

Previews

White Background



This preview shows how the XYZ color 39.3695, 55.9320, 45.7667 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 39.3695, 55.9320, 45.7667 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

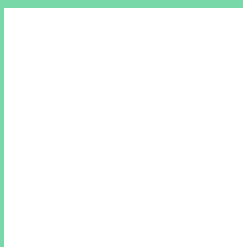
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.3695, 55.9320, 45.7667

Background



This preview shows how black text looks on a background with the XYZ color 39.3695, 55.9320, 45.7667.



This preview shows how white text looks on a background with the XYZ color 39.3695, 55.9320,

45.7667.

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

39.3695, 55.9320, 45.7667

Protanopia

51.9239, 55.3584, 40.2963

Deuteranopia

56.2690, 55.1392, 47.7216



Tritanopia

45.9780, 55.6163, 79.5459

Trichromacy



Original Color

39.3695, 55.9320, 45.7667



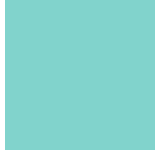
Protanomaly

45.7820, 54.5506, 42.2988



Deuteranomaly

48.1195, 54.2645, 46.9677



Tritanomaly

43.2466, 55.6153, 65.5822

Monochromacy



Original Color

39.3695, 55.9320, 45.7667



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

41.5257, 49.1288, 48.8891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3695, 55.9320, 45.7667 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(120, 216, 168)` looks like.

```
.text, #text, p{  
    color:rgb(120, 216, 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(120, 216, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 216, 168) }
```

Border

The CSS property to change the border of an element to XYZ 39.3695, 55.9320, 45.7667 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(120, 216, 168) }
```


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

```
.border{ border-color:rgb(120, 216, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 216, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 216, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 216, 168); box-shadow:4px 4px 4px 4px rgb(120, 216, 168) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3695, 55.9320, 45.7667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 216, 168) }
```

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

```
.background{ background-color: rgb(120,  
216, 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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