

Converting Colors

XYZ(53.1910, 64.1344, 39.6585)

Have a look what the booklet for
XYZ(53.1910, 64.1344, 39.6585)
contains.

XYZ(53.0693, 63.9120, 39.6762)	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(53.0693, 63.9120,
39.6762)**

Conversions

Conversions Part 1

Format	Color
Hex	C2DA99
RGB	194, 218, 153
RGB Percent	76%, 85%, 60%
CMY	0.2392, 0.1451, 0.4000
CMYK	0.11, 0.00, 0.30, 0.15
HSL	82°, 47%, 73%
HSV	82°, 30%, 85%
XYZ	53.0693, 63.9120, 39.6762
YIQ	203.4140, 6.5610, -25.3030

Conversions

Conversions Part 2

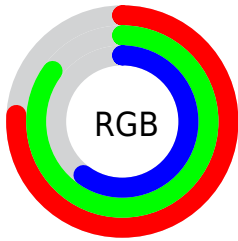
Format	Color
RYB	153, 218, 177
Decimal	12769945
CIELab	83.92, -18.97, 29.42
CIElCh	84, 35.007, 122.806
Yxy	63.9120, 0.3388, 0.4080
Android (android.graphics.Color)	4290960025 (0xFFC2DA99)
YUV	203.4140, -24.8541, -8.2561
Hunter-Lab	79.9450, -21.4113, 26.5362

Details

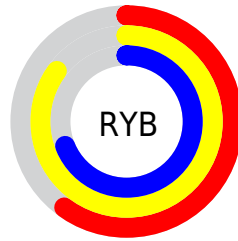
The XYZ color **53.0693, 63.9120, 39.6762** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.1801, 37.1933, 71.2890**, and the grayscale version is **57.1750, 60.1526, 65.5062**.

A 20% lighter version of the original color is **86.9288, 96.5833, 73.7353**, and **26.2614, 32.7094, 17.2413** is the 20% darker color. If you saturate the color by 10%, you get **49.4207, 62.2224, 30.9498**, and if you desaturate by 10%, it is **57.1622, 65.7965, 50.1431**.

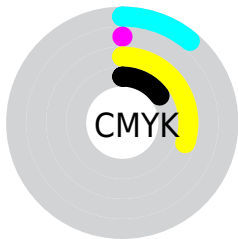
Distribution



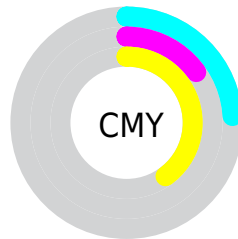
- Red (76%)
- Green (85%)
- Blue (60%)



- Red (60%)
- Yellow (85%)
- Blue (69%)



- Cyan (11%)
- Magenta (0%)
- Yellow (30%)
- Black (15%)





- Cyan (24%)
- Magenta (15%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.0693, 63.9120, 39.6762 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 53.0693, 63.9120, 39.6762 by changing the saturation by 10% instead.


 53.0693, 63.9120,
39.6762


 53.0693, 63.9120,
39.6762


388.8075,
438.8718, 360.2683

 38.0858, 46.5794,
26.9743


 93.8713, 110.4842,
75.9019

 26.2268, 32.7033,
17.3217


 120.4204,
140.4926, 100.2627

 17.1270, 21.8992,
10.2997


151.5555,
175.4950, 129.3470

 10.4209, 13.7829,
5.4899

187.6419,
215.8759, 163.5732

 5.7433, 7.9698,
2.4738

229.0449,
262.0196, 203.3599

 2.7288, 4.0756,
0.8262

276.1300,

 1.0120, 1.7160,

314.3106, 249.1256

0.0000

329.2624,
373.1332, 301.2889

0.0000, 0.4340,
0.0000

0.0000, 0.0000,
0.0000

53.0693, 63.9120,
39.6762

53.0693, 63.9120,
39.6762

49.4207, 62.2224,
30.9498

57.1622, 65.7965,
50.1431

46.1917, 60.7113,
23.8654

61.7126, 67.8750,
62.4338

43.3626, 59.3726,
18.3206

66.7395, 70.1574,
76.6311

40.9095, 58.1967,
14.2003

72.2589, 72.6504,
92.8116

■ 38.8058, 57.1726,
11.3730

■ 77.1376, 74.9008,
104.9994

■ 37.0198, 56.2874,
9.6826

■ 79.8451, 76.2965,
105.1261

■ 35.4977, 55.5195,
8.8569

■ 82.6742, 77.7550,
105.2586

■ 35.4713, 55.5061,
8.8442

■ 84.3627, 78.6254,
105.3376

Harmonies

Analogous

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



60.0242, 63.9120, 35.2359



53.0693, 63.9120, 39.6762



48.5008, 63.9120, 51.9468

Triad

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



53.0693, 63.9120, 39.6762



54.2253, 63.9120, 114.5530



76.7749, 63.9120, 67.5333

Complementary

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



53.0693, 63.9120, 39.6762



42.1801, 37.1933, 71.2890

Split Complementary

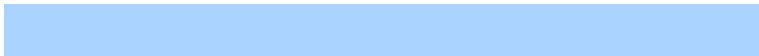
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.8972, 63.9120, 90.8326



53.0693, 63.9120, 39.6762



61.4744, 63.9120, 121.1420

Square

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



53.0693, 63.9120, 39.6762



49.1275, 63.9120, 95.1966



69.1304, 63.9120, 111.6821



74.0665, 63.9120, 49.0428

Rectangle

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



53.0693, 63.9120, 39.6762



47.2037, 63.9120, 64.4107



69.1304, 63.9120, 111.6821



76.6594, 63.9120, 75.0382

Sweetspot

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



53.0709, 63.9148, 39.6776



88.5230, 97.0369, 90.4455



50.3548, 48.5859, 36.8620



18.7331, 20.6722, 18.7662



0.0000, 0.0000, 0.0000



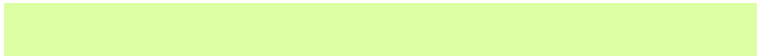
20.3446, 21.4041, 23.3091

Same Dimension

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



53.0709, 63.9148, 39.6776



72.2380, 89.5593, 48.2237



45.6558, 60.0922, 39.3306



13.6719, 15.0111, 13.9024



21.3722, 33.3153, 5.3041



1.4784, 2.2067, 0.3480

Inverse Universe

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



42.1801, 37.1933, 71.2890



54.2349, 45.3693, 100.5064



50.4374, 41.4500, 71.6754



12.7906, 12.8502, 16.4583



9.6981, 4.1238, 40.0232



0.7214, 0.3152, 2.5973

Previews

White Background



This preview shows how the XYZ color 53.0693, 63.9120, 39.6762 looks on a white background.

Color Contrast Check

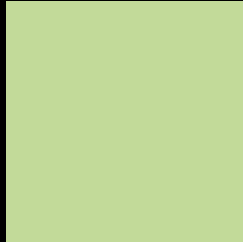
Large Text (above 18pt) WCAG AA × Fail

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 53.0693, 63.9120, 39.6762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

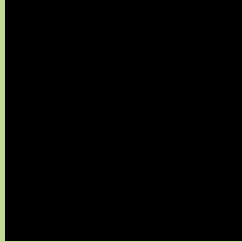
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

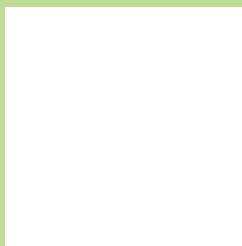
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.0693, 63.9120, 39.6762

Background



This preview shows how black text looks on a background with the XYZ color 53.0693, 63.9120, 39.6762.



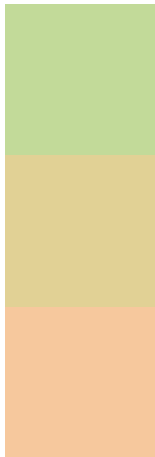
This preview shows how white text looks on a background with the XYZ color 53.0693, 63.9120,

39.6762.

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

53.0693, 63.9120, 39.6762

Protanopia

59.2766, 63.7784, 37.6200

Deuteranopia

64.7461, 63.3357, 40.7108



Tritanopia

61.2929, 63.8745, 80.3327

Trichromacy



Original Color

53.0693, 63.9120, 39.6762

Protanomaly

56.7801, 63.5851, 38.1347

Deuteranomaly

59.9921, 63.3568, 40.5197

Tritanomaly

57.6717, 63.4898, 63.2480

Monochromacy



Original Color

53.0693, 63.9120, 39.6762

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

55.1322, 60.8939, 54.7469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0693, 63.9120, 39.6762 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(194, 218, 153)` looks like.

```
.text, #text, p{  
    color:rgb(194, 218, 153)  
}
```

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(194, 218, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 218, 153) }
```

Border

The CSS property to change the border of an element to XYZ 53.0693, 63.9120, 39.6762 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(194, 218, 153) }
```


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

```
.border{ border-color:rgb(194, 218, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 218, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 218, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 218, 153);  
box-shadow:4px 4px 4px 4px rgb(194, 218,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0693, 63.9120, 39.6762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 218, 153) }
```

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

```
.background{ background-color: rgb(194,  
218, 153) }
```

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