

Converting Colors

XYZ(51.3584, 59.8119, 33.6864)

Have a look what the booklet for
XYZ(51.3584, 59.8119, 33.6864)
contains.

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Color

**XYZ(51.3535, 59.7737,
33.6418)**

Conversions

Conversions Part 1

Format	Color
Hex	C8D18C
RGB	200, 209, 140
RGB Percent	78%, 82%, 55%
CMY	0.2157, 0.1804, 0.4510
CMYK	0.04, 0.00, 0.33, 0.18
HSL	68°, 43%, 68%
HSV	68°, 33%, 82%
XYZ	51.3535, 59.7737, 33.6418
YIQ	198.4430, 16.7850, -23.3670

Conversions

Conversions Part 2

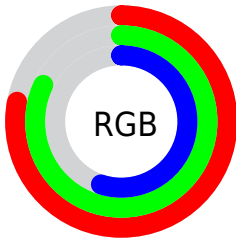
Format	Color
R _{YB}	140, 209, 149
Decimal	13160844
CIE _{Lab}	81.72, -13.95, 33.27
CIE _{LCh}	82, 36.072, 112.748
Y _{xy}	59.7737, 0.3547, 0.4129
Android (android.graphics.Color)	4291350924 (0xFFC8D18C)
YUV	198.4430, -28.8124, 1.3655
Hunter-Lab	77.3135, -16.7344, 28.3203

Details

The XYZ color **51.3535, 59.7737, 33.6418** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.2834, 29.7507, 64.3132**, and the grayscale version is **54.1103, 56.9282, 61.9948**.

A 20% lighter version of the original color is **86.7376, 96.6750, 65.1275**, and **25.2016, 30.1837, 13.9490** is the 20% darker color. If you saturate the color by 10%, you get **49.2351, 58.8450, 26.2480**, and if you desaturate by 10%, it is **53.7807, 60.8316, 42.5803**.

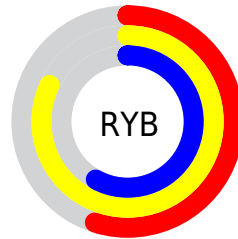
Distribution



Red (78%)

Green (82%)

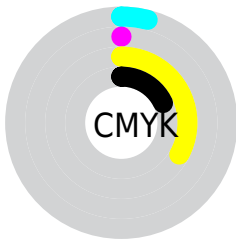
Blue (55%)



Red (55%)

Yellow (82%)

Blue (58%)

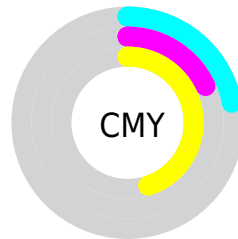


Cyan (4%)

Magenta (0%)

Yellow (33%)

Black (18%)



Cyan (22%)


Magenta (18%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3535, 59.7737, 33.6418 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 51.3535, 59.7737, 33.6418 by changing the saturation by 10% instead.


 51.3535, 59.7737,
33.6418

 51.3535, 59.7737,
33.6418


382.3007,
423.7631, 333.2522


 36.7122, 43.2363,
22.3434


 91.3570, 104.5013,
66.5038

 25.1574, 30.0705,
13.9087


 117.4499,
133.4603, 88.9044

 16.3237, 19.8921,
7.9192


 148.0907,
167.3286, 115.8430

 9.8458, 12.3167,
3.9563

183.6447,
206.4905, 147.7379

 5.3583, 6.9597,
1.6014

224.4774,
251.3305, 185.0077

 2.4959, 3.4369,
0.2918

270.9541,

 0.8932, 1.3639,

302.2331, 228.0710

0.0000

323.4400,
359.5825, 277.3463

0.0000, 0.1899,
0.0000

0.0000, 0.0000,
0.0000

51.3535, 59.7737,
33.6418

51.3535, 59.7737,
33.6418

49.2351, 58.8450,
26.2480

53.7807, 60.8316,
42.5803

47.4042, 58.0307,
20.3077

56.5275, 62.0167,
53.1405

45.8440, 57.3262,
15.7258

59.6098, 63.3376,
65.3985

44.5340, 56.7233,
12.3944

63.0409, 64.7995,
79.4248

■ 43.4505, 56.2124,
10.1893

■ 66.8336, 66.4075,
95.2857

■ 42.5650, 55.7822,
8.9607

■ 69.2787, 67.4781,
103.9809

■ 42.0294, 55.5157,
8.5004

■ 70.0931, 67.8979,
104.0191

■ 70.9210, 68.3247,
104.0578

■ 71.7623, 68.7585,
104.0972

Harmonies

Analogous

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



58.6756, 59.7737, 31.7974



51.3535, 59.7737, 33.6418



45.9681, 59.7737, 42.9161

Triad

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



51.3535, 59.7737, 33.6418



48.4274, 59.7737, 104.3529



72.5585, 59.7737, 70.5042

Complementary

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



51.3535, 59.7737, 33.6418



33.2834, 29.7507, 64.3132

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.



69.2423, 59.7737, 93.8100



51.3535, 59.7737, 33.6418



54.9904, 59.7737, 115.9858

Square

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



51.3535, 59.7737, 33.6418



44.3867, 59.7737, 82.6241



62.6466, 59.7737, 111.7499



71.3659, 59.7737, 50.2195

Rectangle

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



51.3535, 59.7737, 33.6418



43.9818, 59.7737, 53.4560



62.6466, 59.7737, 111.7499



71.9248, 59.7737, 78.2853

Sweetspot

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



51.3550, 59.7764, 33.6431



89.9991, 97.8394, 88.6367



41.6279, 36.6459, 29.6911



19.1210, 20.8805, 18.4102



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.



51.3550, 59.7764, 33.6431



78.0211, 92.6422, 43.9066



43.3566, 55.6530, 33.2687



12.6453, 13.7161, 12.5930



25.9721, 34.2581, 5.2436



1.4954, 1.9378, 0.2952

Inverse Universe

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



33.2834, 29.7507, 64.3132



45.2324, 38.1431, 99.5861



40.3102, 33.3732, 64.6420



11.3051, 11.4906, 14.8657



7.4259, 3.0085, 37.3818



0.4634, 0.1931, 2.0924

Previews

White Background



This preview shows how the XYZ color 51.3535, 59.7737, 33.6418 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 51.3535, 59.7737, 33.6418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

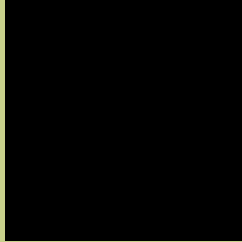
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3535, 59.7737, 33.6418

Background



This preview shows how black text looks on a background with the XYZ color 51.3535, 59.7737, 33.6418.



This preview shows how white text looks on a background with the XYZ color 51.3535, 59.7737,

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

51.3535, 59.7737, 33.6418

Protanopia

55.3865, 59.7337, 32.2775

Deuteranopia

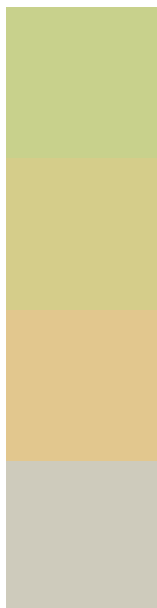
60.5253, 59.2675, 34.2363



Tritanopia

59.4984, 59.9165, 72.7191

Trichromacy



Original Color

51.3535, 59.7737, 33.6418

Protanomaly

53.8593, 59.6438, 32.7185

Deuteranomaly

56.6699, 58.9686, 33.9864

Tritanomaly

55.8866, 59.4645, 56.1092

Monochromacy



Original Color

51.3535, 59.7737, 33.6418

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.6095, 57.5575, 49.9319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3535, 59.7737, 33.6418 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(200, 209, 140)` looks like.

```
.text, #text, p{  
    color:rgb(200, 209, 140)  
}
```

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(200, 209, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 209, 140) }
```

Border

The CSS property to change the border of an element to XYZ 51.3535, 59.7737, 33.6418 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(200, 209, 140) }
```


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

```
.border{ border-color:rgb(200, 209, 140) }
```

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

Here you see how a box with a 4 pixel rgb(200, 209, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 209, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 209, 140);  
box-shadow:4px 4px 4px 4px rgb(200, 209,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3535, 59.7737, 33.6418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 209, 140) }
```

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

```
.background{ background-color: rgb(200,  
209, 140) }
```

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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