

Converting Colors

XYZ(57.6718, 73.5614, 40.4782)

Have a look what the booklet for
XYZ(57.6718, 73.5614, 40.4782)
contains.

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Color

**XYZ(57.5737, 73.5627,
40.4427)**

Conversions

Conversions Part 1

Format	Color
Hex	C1EC97
RGB	193, 236, 151
RGB Percent	76%, 93%, 59%
CMY	0.2431, 0.0745, 0.4078
CMYK	0.18, 0.00, 0.36, 0.07
HSL	90°, 69%, 76%
HSV	90°, 36%, 93%
XYZ	57.5737, 73.5627, 40.4427
YIQ	213.4530, 1.6570, -35.5510

Conversions

Conversions Part 2

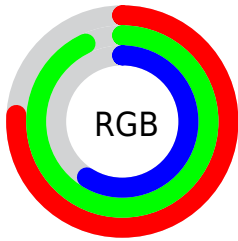
Format	Color
RYB	151, 236, 194
Decimal	12709015
CIELab	88.72, -28.30, 36.78
CIElCh	89, 46.407, 127.581
Yxy	73.5627, 0.3356, 0.4287
Android (android.graphics.Color)	4290899095 (0xFFC1EC97)
YUV	213.4530, -30.7893, -17.9373
Hunter-Lab	85.7687, -30.2741, 32.0809

Details

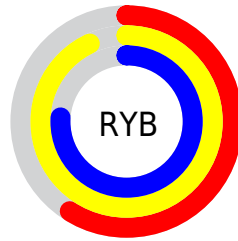
The XYZ color **57.5737, 73.5627, 40.4427** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.4580, 39.6607, 84.4621**, and the grayscale version is **63.7501, 67.0700, 73.0393**.

A 20% lighter version of the original color is **86.3249, 96.3002, 72.4305**, and **29.0546, 38.9466, 17.7905** is the 20% darker color. If you saturate the color by 10%, you get **52.9243, 71.3678, 31.2023**, and if you desaturate by 10%, it is **62.8563, 76.0442, 51.7184**.

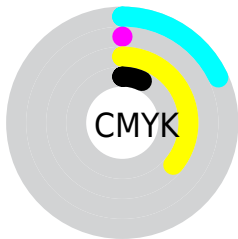
Distribution



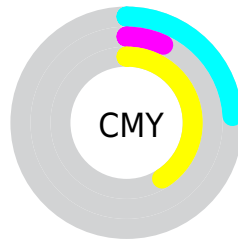
- Red (76%)
- Green (93%)
- Blue (59%)



- Red (59%)
- Yellow (93%)
- Blue (76%)



- Cyan (18%)
- Magenta (0%)
- Yellow (36%)
- Black (7%)




- Cyan (24%)
- Magenta (7%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.5737, 73.5627, 40.4427 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 57.5737, 73.5627, 40.4427 by changing the saturation by 10% instead.


 57.5737, 73.5627,
40.4427


 57.5737, 73.5627,
40.4427


405.5751,
472.9627, 363.5934

 41.7080, 54.4362,
27.5675


 100.4283,
124.2757, 77.0816

 29.0628, 38.9505,
17.7637


 128.1480,
156.6310, 101.6824

 19.2728, 26.7212,
10.6128


160.5496,
194.1647, 131.0288

 11.9728, 17.3640,
5.6962

197.9985,
237.2612, 165.5393

 6.7972, 10.4943,
2.5955

240.8602,
286.3048, 205.6324

 3.3808, 5.7279,
0.8901

289.5000,

 1.3582, 2.6804,

341.6800, 251.7268

0.0000

344.2831,
403.7712, 304.2410

■ 0.2261, 0.9672,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.5737, 73.5627,
40.4427

■ 57.5737, 73.5627,
40.4427

■ 52.9243, 71.3678,
31.2023

■ 62.8563, 76.0442,
51.7184

■ 48.8737, 69.4377,
23.8708

■ 68.7933, 78.8140,
65.1361

■ 45.3923, 67.7624,
18.3154

■ 75.4114, 81.8859,
80.8006

■ 42.4451, 66.3270,
14.3841

■ 82.7342, 85.2699,
98.8085

■ 39.9919, 65.1148,
11.8995

■ 88.4460, 88.0404,
106.9396

■ 37.9843, 64.1056,
10.6415

■ 89.2870, 88.4739,
106.9790

■ 37.2802, 63.7486,
10.3398

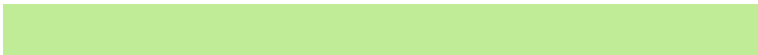
Harmonies

Analogous

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



67.1125, 73.5627, 33.1470



57.5737, 73.5627, 40.4427



51.8175, 73.5627, 58.7749

Triad

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



57.5737, 73.5627, 40.4427



62.0123, 73.5627, 151.8355



93.5501, 73.5627, 72.2223

Complementary

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



57.5737, 73.5627, 40.4427



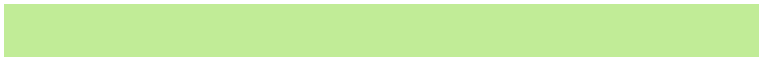
48.4580, 39.6607, 84.4621

Split Complementary

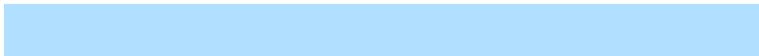
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.8106, 73.5627, 106.0381



57.5737, 73.5627, 40.4427



72.8030, 73.5627, 158.2474

Square

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



57.5737, 73.5627, 40.4427



54.1825, 73.5627, 123.9801



83.9141, 73.5627, 139.6940



88.4410, 73.5627, 48.0248

Rectangle

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



57.5737, 73.5627, 40.4427



50.5094, 73.5627, 77.5181



83.9141, 73.5627, 139.6940



93.7557, 73.5627, 82.7330

Sweetspot

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



57.5756, 73.5659, 40.4443



85.8287, 95.7305, 86.5910



59.3615, 58.4313, 37.4289



18.1427, 20.3843, 17.9956



0.0000, 0.0000, 0.0000



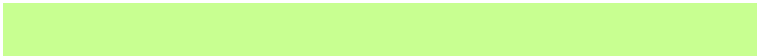
20.3446, 21.4041, 23.3091

Same Dimension

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



57.5756, 73.5659, 40.4443



64.5908, 85.7893, 40.0845



48.3460, 68.8079, 40.0124



15.5771, 17.2276, 16.0230



20.6975, 35.2144, 5.7062



1.7361, 2.8223, 0.4533

Inverse Universe

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



48.4580, 39.6607, 84.4621



52.2691, 39.9711, 99.5680



60.8019, 46.0242, 85.0398



14.9576, 14.9234, 19.0144



12.7191, 5.5929, 44.1521



1.1098, 0.4964, 3.4722

Previews

White Background



This preview shows how the XYZ color 57.5737, 73.5627, 40.4427 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 57.5737, 73.5627, 40.4427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

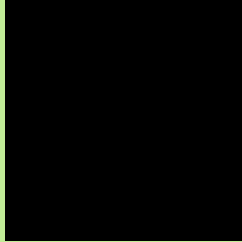
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.5737, 73.5627, 40.4427

Background



This preview shows how black text looks on a background with the XYZ color 57.5737, 73.5627, 40.4427.



This preview shows how white text looks on a background with the XYZ color 57.5737, 73.5627,

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

57.5737, 73.5627, 40.4427

Protanopia

67.5077, 72.9877, 37.3181

Deuteranopia

73.2783, 72.9560, 50.7772



Tritanopia

68.5565, 73.4433, 95.3567

Trichromacy



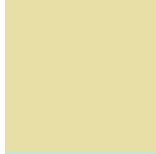
Original Color

57.5737, 73.5627, 40.4427



Protanomaly

63.4760, 72.8920, 38.3278



Deuteranomaly

66.5493, 72.6843, 46.5983



Tritanomaly

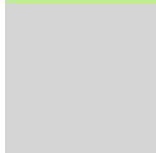
63.7396, 73.1093, 71.7248

Monochromacy



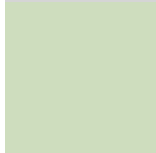
Original Color

57.5737, 73.5627, 40.4427



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

60.6043, 68.5524, 58.7529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.5737, 73.5627, 40.4427 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(193, 236, 151)` looks like.

```
.text, #text, p{  
    color:rgb(193, 236, 151)  
}
```

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(193, 236, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 236, 151) }
```

Border

The CSS property to change the border of an element to XYZ 57.5737, 73.5627, 40.4427 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(193, 236, 151) }
```


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

```
.border{ border-color:rgb(193, 236, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 236, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 236, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 236, 151);  
box-shadow:4px 4px 4px 4px rgb(193, 236,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 57.5737, 73.5627, 40.4427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 236, 151) }
```

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

```
.background{ background-color: rgb(193,  
236, 151) }
```

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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