

Converting Colors

XYZ(63.1131, 77.7779, 50.9145)

Have a look what the booklet for
XYZ(63.1131, 77.7779, 50.9145)
contains.

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Color

**XYZ(63.2351, 77.9952,
50.7515)**

Conversions

Conversions Part 1

Format	Color
Hex	CBF0AC
RGB	203, 240, 172
RGB Percent	80%, 94%, 67%
CMY	0.2039, 0.0588, 0.3255
CMYK	0.15, 0.00, 0.28, 0.06
HSL	93°, 69%, 81%
HSV	93°, 28%, 94%
XYZ	63.2351, 77.9952, 50.7515
YIQ	221.1850, -0.2240, -28.9920

Conversions

Conversions Part 2

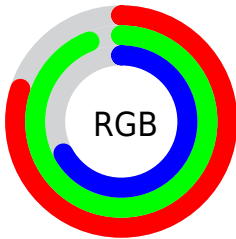
Format	Color
RYB	172, 240, 209
Decimal	13365420
CIELab	90.78, -23.76, 29.03
CIELCh	91, 37.511, 129.295
Yxy	77.9952, 0.3294, 0.4063
Android (android.graphics.Color)	4291555500 (0xFFCBF0AC)
YUV	221.1850, -24.2482, -15.9482
Hunter-Lab	88.3149, -26.7417, 27.7485

Details

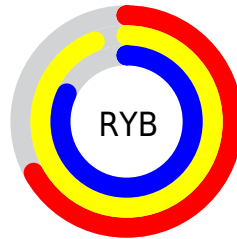
The XYZ color **63.2351, 77.9952, 50.7515** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.7784, 49.3538, 88.9759**, and the grayscale version is **69.0241, 72.6187, 79.0818**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **32.6830, 41.9088, 23.8194** is the 20% darker color. If you saturate the color by 10%, you get **57.7275, 75.4010, 39.5290**, and if you desaturate by 10%, it is **69.4627, 80.9172, 64.1838**.

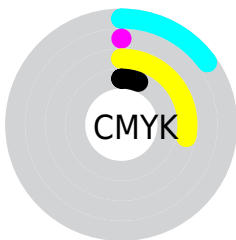
Distribution



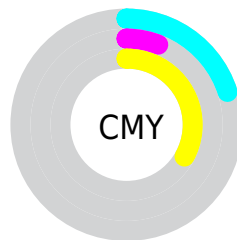
- Red (80%)
- Green (94%)
- Blue (67%)



- Red (67%)
- Yellow (94%)
- Blue (82%)



- Cyan (15%)
- Magenta (0%)
- Yellow (28%)
- Black (6%)





- Cyan (20%)
- Magenta (6%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2351, 77.9952, 50.7515 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 63.2351, 77.9952, 50.7515 by changing the saturation by 10% instead.


 63.2351, 77.9952,
50.7515

 63.2351, 77.9952,
50.7515


426.0683,
488.1505, 406.4165

 46.2908, 58.0700,
35.6355


 108.5885,
130.5434, 92.6951

 32.6809, 41.8650,
23.8654


137.7284,
163.9351, 120.3598

 22.0402, 28.9956,
15.0225


171.6641,
202.5846, 153.0444

 14.0032, 19.0775,
8.6884


210.7610,
246.8761, 191.1676

 8.2046, 11.7263,
4.4445

255.3846,
297.1940, 235.1479

 4.2791, 6.5576,
1.8722

305.9001,

 1.8612, 3.1870,

353.9228, 285.4038

0.4750

362.6729,
417.4469, 342.3538

0.5541, 1.2301,
0.0000

0.0000, 0.0861,
0.0000

63.2351, 77.9952,
50.7515

63.2351, 77.9952,
50.7515

57.7275, 75.4010,
39.5290

69.4627, 80.9172,
64.1838

52.9041, 73.1117,
30.3928

76.4321, 84.1687,
79.9303

48.7348, 71.1169,
23.2151

84.1716, 87.7645,
98.0950

45.1842, 69.4015,
17.8519

90.4517, 90.8033,
107.3672

■ 42.2132, 67.9490,
14.1394

■ 39.7763, 66.7401,
11.8843

■ 37.8123, 65.7493,
10.8128

■ 37.5182, 65.6002,
10.6847

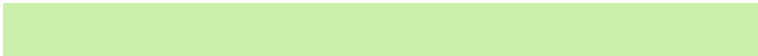
Harmonies

Analogous

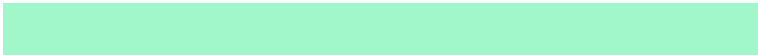
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.2429, 77.9952, 43.3048



63.2351, 77.9952, 50.7515



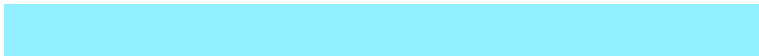
58.4367, 77.9952, 67.8603

Triad

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



63.2351, 77.9952, 50.7515



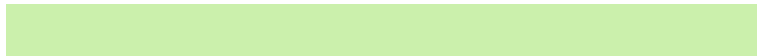
67.9064, 77.9952, 143.3249



93.4973, 77.9952, 76.8120

Complementary

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



63.2351, 77.9952, 50.7515



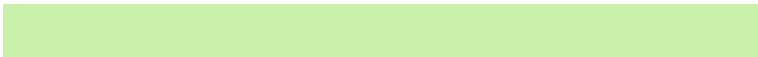
56.7784, 49.3538, 88.9759

Split Complementary

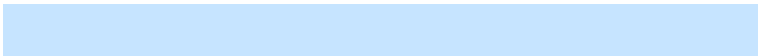
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.4128, 77.9952, 104.6311



63.2351, 77.9952, 50.7515



77.0984, 77.9952, 147.1449

Square

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



63.2351, 77.9952, 50.7515



60.9707, 77.9952, 122.2243



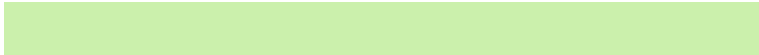
86.2141, 77.9952, 131.7653



89.0631, 77.9952, 56.1075

Rectangle

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



63.2351, 77.9952, 50.7515



57.4445, 77.9952, 84.2862



86.2141, 77.9952, 131.7653



93.7738, 77.9952, 85.5640

Sweetspot

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



63.2371, 77.9986, 50.7532



87.1264, 96.3169, 90.3801



66.0055, 66.7487, 48.4358



18.3890, 20.4949, 18.7501



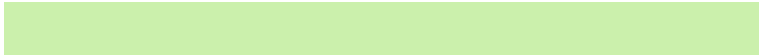
0.0000, 0.0000, 0.0000



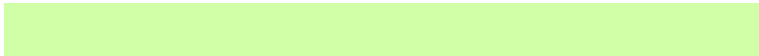
20.3446, 21.4041, 23.3091

Same Dimension

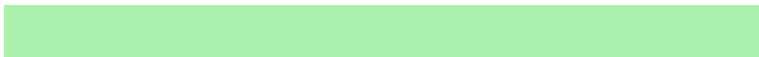
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.2371, 77.9986, 50.7532



68.8181, 87.7424, 50.5014



55.8417, 74.1607, 51.5534



16.2504, 18.0092, 16.7694



20.6862, 35.9857, 5.8557



1.8342, 3.0521, 0.4924

Inverse Universe

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



56.7784, 49.3538, 88.9759



60.2732, 49.8558, 101.0541



66.0842, 54.1898, 87.6643



15.7192, 15.6525, 19.9143



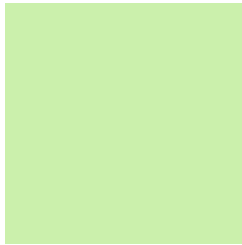
13.8552, 6.1480, 45.5843



1.2672, 0.5705, 3.7975

Previews

White Background



This preview shows how the XYZ color 63.2351, 77.9952, 50.7515 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 63.2351, 77.9952, 50.7515 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

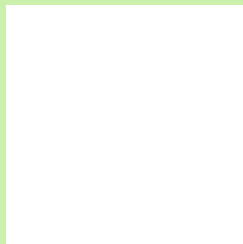
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2351, 77.9952, 50.7515

Background



This preview shows how black text looks on a background with the XYZ color 63.2351, 77.9952, 50.7515.

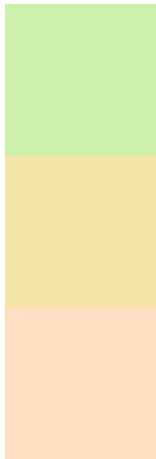


This preview shows how white text looks on a background with the XYZ color 63.2351, 77.9952,

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

63.2351, 77.9952, 50.7515

Protanopia

72.3746, 77.6893, 47.7402

Deuteranopia

77.3251, 77.4881, 63.1058



Tritanopia

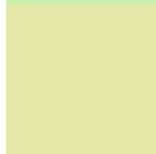
72.9716, 77.6671, 99.9522

Trichromacy



Original Color

63.2351, 77.9952, 50.7515



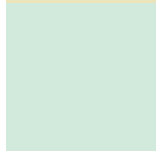
Protanomaly

68.6512, 77.4008, 48.8577



Deuteranomaly

71.5810, 77.4593, 58.1921



Tritanomaly

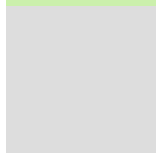
68.9194, 77.7146, 79.0781

Monochromacy



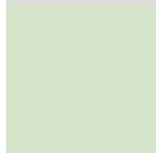
Original Color

63.2351, 77.9952, 50.7515



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.2545, 74.0947, 67.3096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2351, 77.9952, 50.7515 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(203, 240, 172)` looks like.

```
.text, #text, p{  
    color:rgb(203, 240, 172)  
}
```

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(203, 240, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 240, 172) }
```

Border

The CSS property to change the border of an element to XYZ 63.2351, 77.9952, 50.7515 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(203, 240, 172) }
```


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

```
.border{ border-color:rgb(203, 240, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 240, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 240, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 240, 172);  
box-shadow:4px 4px 4px 4px rgb(203, 240,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2351, 77.9952, 50.7515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 240, 172) }
```

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

```
.background{ background-color: rgb(203,  
240, 172) }
```

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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