

Converting Colors

XYZ(63.4365, 76.9301, 47.6014)

Have a look what the booklet for
XYZ(63.4365, 76.9301, 47.6014)
contains.

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Color

**XYZ(63.4616, 76.8769,
47.5703)**

Conversions

Conversions Part 1

Format	Color
Hex	D1EDA6
RGB	209, 237, 166
RGB Percent	82%, 93%, 65%
CMY	0.1804, 0.0706, 0.3490
CMYK	0.12, 0.00, 0.30, 0.07
HSL	84°, 66%, 79%
HSV	84°, 30%, 93%
XYZ	63.4616, 76.8769, 47.5703
YIQ	220.5340, 6.1030, -28.0170

Conversions

Conversions Part 2

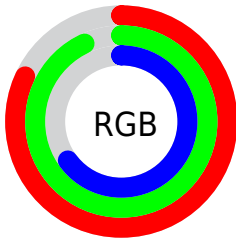
Format	Color
RYB	166, 237, 194
Decimal	13757862
CIELab	90.26, -21.03, 31.46
CIELCh	90, 37.836, 123.759
Yxy	76.8769, 0.3377, 0.4091
Android (android.graphics.Color)	4291947942 (0xFFD1EDA6)
YUV	220.5340, -26.8853, -10.1153
Hunter-Lab	87.6795, -24.2424, 29.2080

Details

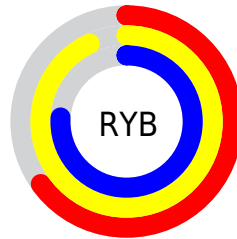
The XYZ color **63.4616, 76.8769, 47.5703** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **51.1736, 44.8583, 86.0865**, and the grayscale version is **68.5817, 72.1533, 78.5749**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **32.8309, 41.1100, 21.8274** is the 20% darker color. If you saturate the color by 10%, you get **58.9177, 74.7653, 37.0359**, and if you desaturate by 10%, it is **68.5654, 79.2356, 60.2253**.

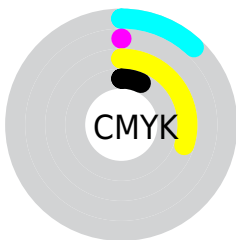
Distribution



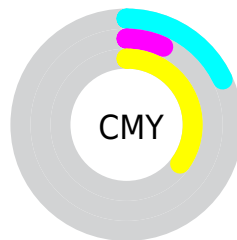
- Red (82%)
- Green (93%)
- Blue (65%)



- Red (65%)
- Yellow (93%)
- Blue (76%)



- Cyan (12%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)





- Cyan (18%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4616, 76.8769, 47.5703 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 63.4616, 76.8769, 47.5703 by changing the saturation by 10% instead.


 63.4616, 76.8769,
47.5703


 63.4616, 76.8769,
47.5703


426.8759,
484.3442, 393.5458

 46.4748, 57.1518,
33.1292


 108.9133,
128.9657, 87.9232

 32.8269, 41.1272,
21.9535


 138.1088,
162.0982, 114.6719

 22.1524, 28.4185,
13.6247


172.1047,
200.4687, 146.3604

 14.0862, 18.6413,
7.7244

211.2662,
244.4616, 183.4070

 8.2627, 11.4114,
3.8339

255.9587,
294.4611, 226.2303

 4.3167, 6.3443,
1.5346

306.5476,

 1.8828, 3.0555,

350.8518, 275.2488

0.2435

363.3982,
414.0181, 330.8812

■ 0.5668, 1.1608,
0.0000

■ 0.0000, 0.0293,
0.0000

■ 63.4616, 76.8769,
47.5703

■ 63.4616, 76.8769,
47.5703

■ 58.9177, 74.7653,
37.0359

■ 68.5654, 79.2356,
60.2253

■ 54.9030, 72.8804,
28.5010

■ 74.2460, 81.8406,
75.1032

■ 51.3927, 71.2145,
21.8399

■ 80.5270, 84.7043,
92.3057

■ 48.3570, 69.7556,
16.9104

■ 86.4797, 87.4555,
106.9304

■ 45.7623, 68.4896,
13.5503

■ 89.5758, 89.0517,
107.0753

■ 43.5689, 67.4005,
11.5665

■ 41.7120, 66.4620,
10.6328

■ 41.7047, 66.4583,
10.6297

Harmonies

Analogous

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



71.8884, 76.8769, 41.8898



63.4616, 76.8769, 47.5703



58.0014, 76.8769, 62.8068

Triad

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



63.4616, 76.8769, 47.5703



65.3519, 76.8769, 139.3678



92.6680, 76.8769, 80.3517

Complementary

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



63.4616, 76.8769, 47.5703



51.1736, 44.8583, 86.0865

Split Complementary

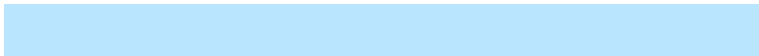
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.5437, 76.8769, 108.7922



63.4616, 76.8769, 47.5703



74.2628, 76.8769, 146.8487

Square

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



63.4616, 76.8769, 47.5703



59.0252, 76.8769, 115.9575



83.6006, 76.8769, 134.6459



89.1809, 76.8769, 58.0685

Rectangle

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



63.4616, 76.8769, 47.5703



56.5066, 76.8769, 78.1941



83.6006, 76.8769, 134.6459



92.5879, 76.8769, 89.4708

Sweetspot

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



63.4636, 76.8803, 47.5720



88.3204, 96.9325, 90.4360



60.9288, 58.9961, 44.2536



18.6831, 20.6465, 18.7638



0.0000, 0.0000, 0.0000



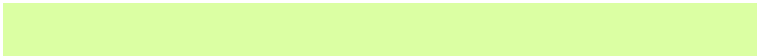
20.3446, 21.4041, 23.3091

Same Dimension

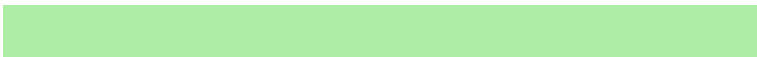
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.4636, 76.8803, 47.5720



71.5397, 89.1994, 48.1910



54.6883, 72.3565, 47.1613



15.7436, 17.3134, 16.0308



22.9197, 36.3600, 5.8102



1.9074, 2.9106, 0.4613

Inverse Universe

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



51.1736, 44.8583, 86.0865



54.8443, 45.6835, 100.5349



61.1479, 50.0003, 86.5533



14.7933, 14.8387, 19.0067



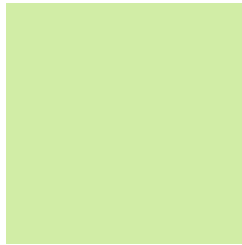
10.9743, 4.6934, 44.0705



0.9672, 0.4229, 3.4655

Previews

White Background



This preview shows how the XYZ color 63.4616, 76.8769, 47.5703 looks on a white background.

Color Contrast Check

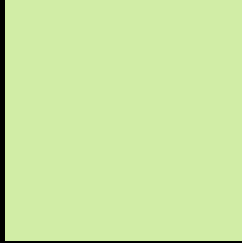
Large Text (above 18pt) WCAG AA × Fail

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 63.4616, 76.8769, 47.5703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

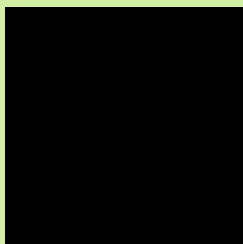
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

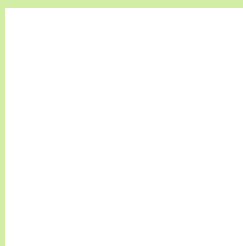
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.4616, 76.8769, 47.5703

Background



This preview shows how black text looks on a background with the XYZ color 63.4616, 76.8769, 47.5703.

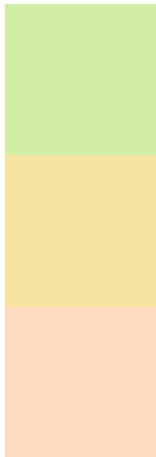


This preview shows how white text looks on a background with the XYZ color 63.4616, 76.8769,

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

63.4616, 76.8769, 47.5703

Protanopia

71.2103, 76.7445, 44.7782

Deuteranopia

76.2372, 76.2080, 59.9817



Tritanopia

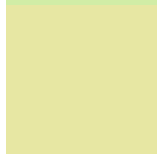
73.4657, 76.7464, 97.3277

Trichromacy



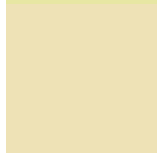
Original Color

63.4616, 76.8769, 47.5703



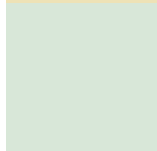
Protanomaly

68.1418, 76.7851, 45.8799



Deuteranomaly

70.8997, 75.9473, 55.1784



Tritanomaly

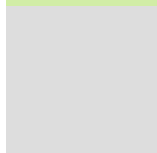
69.2895, 76.7086, 76.1200

Monochromacy



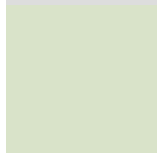
Original Color

63.4616, 76.8769, 47.5703



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.6270, 73.9069, 66.0122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4616, 76.8769, 47.5703 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(209, 237, 166)` looks like.

```
.text, #text, p{  
    color:rgb(209, 237, 166)  
}
```

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(209, 237, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 237, 166) }
```

Border

The CSS property to change the border of an element to XYZ 63.4616, 76.8769, 47.5703 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(209, 237, 166) }
```


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

```
.border{ border-color:rgb(209, 237, 166) }
```

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

Here you see how a box with a 4 pixel rgb(209, 237, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 237, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 237, 166);  
box-shadow:4px 4px 4px 4px rgb(209, 237,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4616, 76.8769, 47.5703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 237, 166) }
```

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

```
.background{ background-color: rgb(209,  
237, 166) }
```

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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