

Converting Colors

XYZ(66.7629, 77.9021, 50.7676)

Have a look what the booklet for
XYZ(66.7629, 77.9021, 50.7676)
contains.

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Color

**XYZ(66.9570, 78.1851,
50.5919)**

Conversions

Conversions Part 1

Format	Color
Hex	DCECAC
RGB	220, 236, 172
RGB Percent	86%, 93%, 67%
CMY	0.1373, 0.0745, 0.3255
CMYK	0.07, 0.00, 0.27, 0.07
HSL	75°, 63%, 80%
HSV	75°, 27%, 93%
XYZ	66.9570, 78.1851, 50.5919
YIQ	223.9200, 11.0080, -23.2960

Conversions

Conversions Part 2

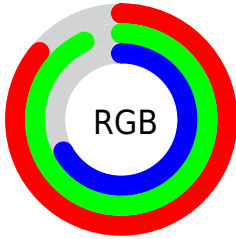
Format	Color
RYB	172, 236, 188
Decimal	14478508
CIELab	90.86, -15.73, 29.34
CIELCh	91, 33.292, 118.193
Yxy	78.1851, 0.3421, 0.3994
Android (android.graphics.Color)	4292668588 (0xFFDCECAC)
YUV	223.9200, -25.5966, -3.4378
Hunter-Lab	88.4223, -19.5716, 27.9722

Details

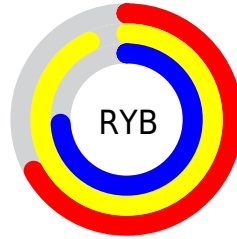
The XYZ color **66.9570, 78.1851, 50.5919** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.6350, 46.2546, 85.6206**, and the grayscale version is **70.9677, 74.6635, 81.3086**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **34.9609, 41.8669, 23.6913** is the 20% darker color. If you saturate the color by 10%, you get **63.1346, 76.4560, 39.6138**, and if you desaturate by 10%, it is **71.2491, 80.1146, 63.6962**.

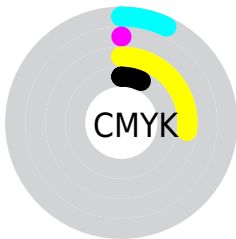
Distribution



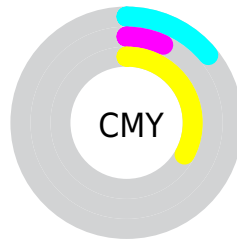
- Red (86%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (74%)



- Cyan (7%)
- Magenta (0%)
- Yellow (27%)
- Black (7%)



- Cyan (14%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9570, 78.1851, 50.5919 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 66.9570, 78.1851, 50.5919 by changing the saturation by 10% instead.

■ 66.9570, 78.1851,
50.5919

■ 66.9570, 78.1851,
50.5919

439.2266,
488.7952, 405.7773

■ 49.3203, 58.2260,
35.5095

■ 113.9089,
130.8110, 92.4566

■ 35.0892, 41.9904,
23.7689

143.9548,
164.2467, 120.0759

■ 23.8984, 29.0938,
14.9517

178.8678,
202.9433, 152.7112

■ 15.3826, 19.1518,
8.6392

219.0132,
247.2854, 190.7811

■ 9.1764, 11.7800,
4.4130

264.7565,
297.6572, 234.7041

■ 4.9145, 6.5941,
1.8546

316.4629,

■ 2.2314, 3.2095,

354.4432, 284.8988

0.4636

374.4978,
418.0277, 341.7837

■ 0.7592, 1.2421,
0.0000

■ 0.0000, 0.0957,
0.0000

■ 66.9570, 78.1851,
50.5919

■ 66.9570, 78.1851,
50.5919

■ 63.1346, 76.4560,
39.6138

■ 71.2491, 80.1146,
63.6962

■ 59.7538, 74.9082,
30.6448

■ 76.0252, 82.2424,
79.0256

■ 56.7929, 73.5355,
23.5639

■ 81.3063, 84.5797,
96.6790

■ 54.2253, 72.3271,
18.2353

■ 85.2193, 86.3772,
106.7887

■ 52.0211, 71.2711,
14.5048

■ 87.2959, 87.4477,
106.8858

■ 50.1453, 70.3533,
12.1918

■ 89.2871, 88.4742,
106.9790

■ 48.5527, 69.5557,
11.0618

■ 48.1258, 69.3399,
10.8474

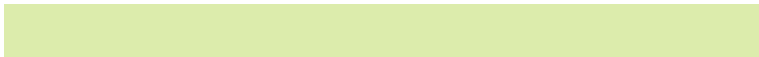
Harmonies

Analogous

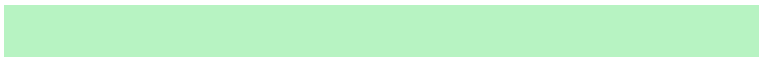
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.8217, 78.1851, 46.8352



66.9570, 78.1851, 50.5919



61.4431, 78.1851, 63.0513

Triad

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



66.9570, 78.1851, 50.5919



66.1395, 78.1851, 130.6772



91.6091, 78.1851, 86.5934

Complementary

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



66.9570, 78.1851, 50.5919



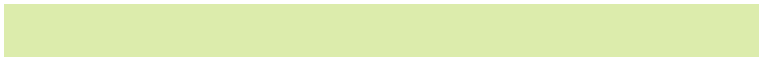
50.6350, 46.2546, 85.6206

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.



88.8643, 78.1851, 111.8418



66.9570, 78.1851, 50.5919



73.8058, 78.1851, 140.0852

Square

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



66.9570, 78.1851, 50.5919



60.9967, 78.1851, 108.8462



82.1881, 78.1851, 132.6228



89.4378, 78.1851, 65.1366

Rectangle

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



66.9570, 78.1851, 50.5919



59.6300, 78.1851, 76.0330



82.1881, 78.1851, 132.6228



91.2269, 78.1851, 94.9257

Sweetspot

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



66.9590, 78.1886, 50.5936



90.0857, 97.8003, 92.4239



60.0244, 56.7802, 46.8268



19.0915, 20.8486, 19.1623



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.



66.9590, 78.1886, 50.5936



77.0138, 91.9396, 52.1402



58.1835, 73.6646, 50.1829



15.9627, 17.4263, 16.0410



26.6508, 38.2835, 5.9848



2.1796, 3.0509, 0.4740

Inverse Universe

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



50.6350, 46.2546, 85.6206



54.2958, 47.4817, 100.9109



59.4108, 50.7787, 86.0313



14.5841, 14.7309, 18.9969



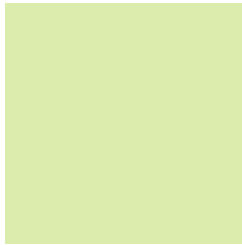
9.4400, 3.9024, 43.9987



0.8271, 0.3507, 3.4590

Previews

White Background



This preview shows how the XYZ color 66.9570, 78.1851, 50.5919 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 66.9570, 78.1851, 50.5919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

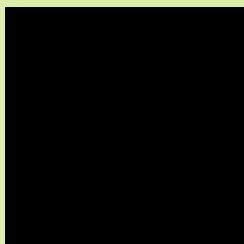
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

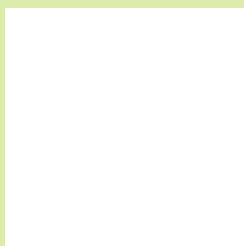
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.9570, 78.1851, 50.5919

Background



This preview shows how black text looks on a background with the XYZ color 66.9570, 78.1851, 50.5919.

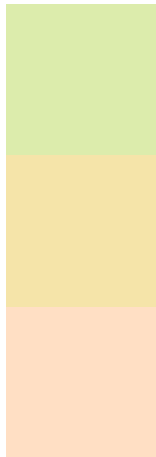


This preview shows how white text looks on a background with the XYZ color 66.9570, 78.1851,

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

66.9570, 78.1851, 50.5919

Protanopia

72.5610, 77.7639, 48.7217

Deuteranopia

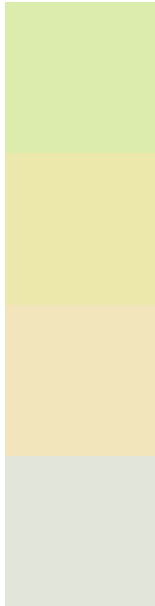
77.5915, 78.0209, 63.1946



Tritanopia

76.4313, 78.2928, 96.6716

Trichromacy



Original Color

66.9570, 78.1851, 50.5919

Protanomaly

70.4237, 77.8870, 49.3522

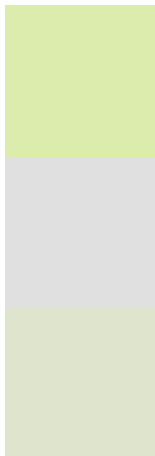
Deuteranomaly

73.3310, 77.9519, 58.1950

Tritanomaly

72.3157, 77.8243, 77.5398

Monochromacy



Original Color

66.9570, 78.1851, 50.5919

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.1943, 75.5826, 68.6996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9570, 78.1851, 50.5919 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(220, 236, 172)` looks like.

```
.text, #text, p{  
    color:rgb(220, 236, 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(220, 236, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 236, 172) }
```

Border

The CSS property to change the border of an element to XYZ 66.9570, 78.1851, 50.5919 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(220, 236, 172) }
```


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

```
.border{ border-color:rgb(220, 236, 172) }
```

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

Here you see how a box with a 4 pixel rgb(220, 236, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 236, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 236, 172);  
box-shadow:4px 4px 4px 4px rgb(220, 236,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9570, 78.1851, 50.5919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 236, 172) }
```

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

```
.background{ background-color: rgb(220,  
236, 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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