

Converting Colors

XYZ(65.5968, 77.1121, 47.9860)

Have a look what the booklet for
XYZ(65.5968, 77.1121, 47.9860)
contains.

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Color

**XYZ(65.5968, 77.1121,
47.9860)**

Conversions

Conversions Part 1

Format	Color
Hex	DAEBA7
RGB	218, 235, 167
RGB Percent	85%, 92%, 65%
CMY	0.1451, 0.0784, 0.3451
CMYK	0.07, 0.00, 0.29, 0.08
HSL	75°, 63%, 79%
HSV	75°, 29%, 92%
XYZ	65.5968, 77.1121, 47.9860
YIQ	222.1650, 11.6960, -24.7520

Conversions

Conversions Part 2

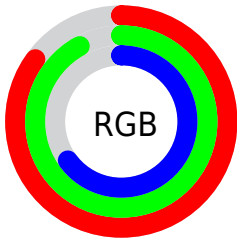
Format	Color
RYB	167, 235, 184
Decimal	14347175
CIELab	90.37, -16.65, 31.20
CIELCh	90, 35.364, 118.078
Yxy	77.1121, 0.3440, 0.4044
Android (android.graphics.Color)	4292537255 (0xFFDAEBA7)
YUV	222.1650, -27.1963, -3.6527
Hunter-Lab	87.8135, -20.3339, 29.0702

Details

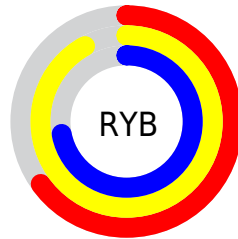
The XYZ color **65.5968, 77.1121, 47.9860** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **48.5843, 43.8280, 84.5006**, and the grayscale version is **69.7298, 73.3612, 79.8903**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **34.0577, 41.1365, 22.0647** is the 20% darker color. If you saturate the color by 10%, you get **61.8930, 75.4338, 37.4844**, and if you desaturate by 10%, it is **69.7617, 78.9873, 60.5731**.

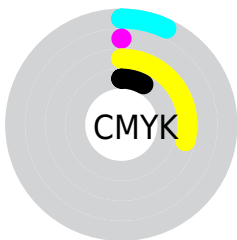
Distribution



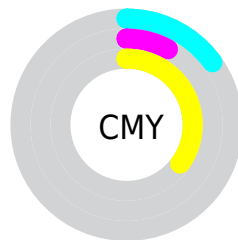
- Red (85%)
- Green (92%)
- Blue (65%)



- Red (65%)
- Yellow (92%)
- Blue (72%)



- Cyan (7%)
- Magenta (0%)
- Yellow (29%)
- Black (8%)



- Cyan (15%)
- Magenta (8%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.5968, 77.1121, 47.9860 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 65.5968, 77.1121, 47.9860 by changing the saturation by 10% instead.

65.5968, 77.1121,
47.9860

65.5968, 77.1121,
47.9860

434.4449,
485.1462, 395.2437

48.2117, 57.3449,
33.4559

111.9684,
129.2977, 88.5489

34.2065, 41.2822,
22.2019

141.6855,
162.4849, 115.4188

23.2159, 28.5397,
13.8056

176.2441,
200.9142, 147.2389

14.8746, 18.7329,
7.8484

216.0093,
244.9700, 184.4280

8.8172, 11.4774,
3.9117

261.3467,
295.0367, 227.4045

4.6783, 6.3889,
1.5770

312.6215,

2.0926, 3.0830,

351.4987, 276.5869

0.2744

370.1991,
414.7404, 332.3938

0.6852, 1.1752,
0.0000

0.0000, 0.0413,
0.0000

65.5968, 77.1121,
47.9860

65.5968, 77.1121,
47.9860

61.8930, 75.4338,
37.4844

69.7617, 78.9873,
60.5731

58.6224, 73.9332,
28.9504

74.4021, 81.0574,
75.3448

55.7629, 72.6041,
22.2625

79.5393, 83.3335,
92.4001

53.2876, 71.4357,
17.2832

84.2090, 85.4301,
106.6591

■ 51.1663, 70.4158,
13.8562

■ 86.2532, 86.4839,
106.7548

■ 49.3631, 69.5300,
11.7961

■ 88.3629, 87.5715,
106.8535

■ 47.8240, 68.7565,
10.8225

■ 89.0000, 87.8999,
106.8833

■ 47.6685, 68.6779,
10.7438

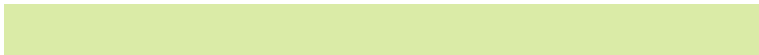
Harmonies

Analogous

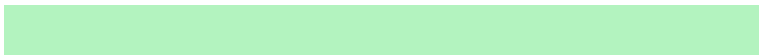
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8629, 77.1121, 44.1737



65.5968, 77.1121, 47.9860



59.8202, 77.1121, 60.8098

Triad

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



65.5968, 77.1121, 47.9860



64.6862, 77.1121, 132.3012



91.5824, 77.1121, 85.6013

Complementary

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



65.5968, 77.1121, 47.9860



48.5843, 43.8280, 84.5006

Split Complementary

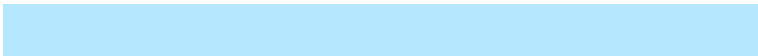
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.6499, 77.1121, 112.3510



65.5968, 77.1121, 47.9860



72.7255, 77.1121, 142.4597

Square

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



65.5968, 77.1121, 47.9860



59.3248, 77.1121, 108.9599



81.5682, 77.1121, 134.5190



89.2971, 77.1121, 63.1135

Rectangle

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



65.5968, 77.1121, 47.9860



57.9202, 77.1121, 74.3230



81.5682, 77.1121, 134.5190



91.1697, 77.1121, 94.4002

Sweetspot

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



65.5988, 77.1155, 47.9876



89.4926, 97.5368, 90.4909



58.3792, 54.7355, 44.0484



18.9727, 20.7958, 18.7774



0.0000, 0.0000, 0.0000



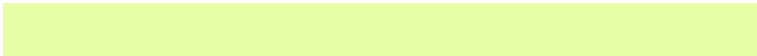
20.3446, 21.4041, 23.3091

Same Dimension

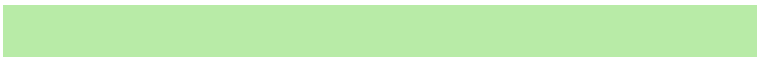
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.5988, 77.1155, 47.9876



76.1204, 91.5341, 49.6121



56.4531, 72.4008, 47.5596



15.9627, 17.4263, 16.0410



26.6510, 38.2836, 5.9848



2.1796, 3.0509, 0.4740

Inverse Universe

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



48.5843, 43.8280, 84.5006



52.3967, 45.1017, 100.5516



57.7302, 48.5429, 84.9286



14.5841, 14.7309, 18.9969



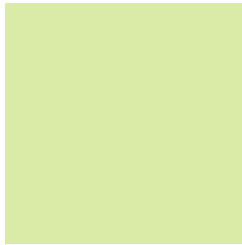
9.4399, 3.9024, 43.9987



0.8271, 0.3507, 3.4590

Previews

White Background



This preview shows how the XYZ color 65.5968, 77.1121, 47.9860 looks on a white background.

Color Contrast Check

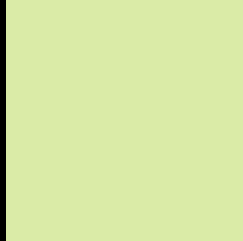
Large Text (above 18pt) WCAG AA × Fail

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 65.5968, 77.1121, 47.9860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

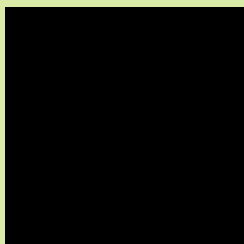
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

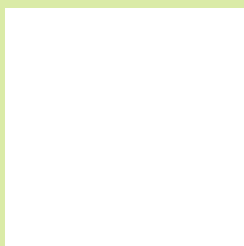
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.5968, 77.1121, 47.9860

Background



This preview shows how black text looks on a background with the XYZ color 65.5968, 77.1121, 47.9860.

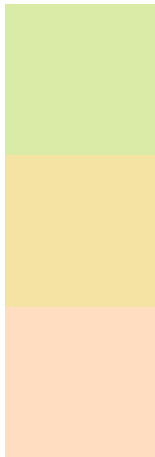


This preview shows how white text looks on a background with the XYZ color 65.5968, 77.1121,

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

65.5968, 77.1121, 47.9860

Protanopia

71.3882, 76.8156, 45.7147

Deuteranopia

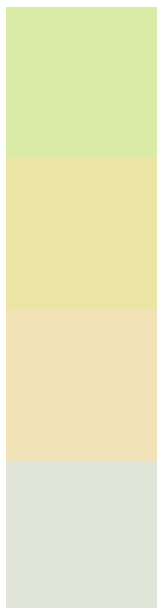
76.6109, 76.7787, 60.6511



Tritanopia

75.0978, 76.8155, 95.6628

Trichromacy



Original Color

65.5968, 77.1121, 47.9860

Protanomaly

69.2586, 76.9361, 46.3218

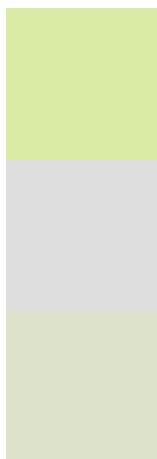
Deuteranomaly

72.3615, 76.6889, 55.7883

Tritanomaly

71.0255, 76.7922, 75.3689

Monochromacy



Original Color

65.5968, 77.1121, 47.9860

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

67.9485, 74.5746, 66.6902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5968, 77.1121, 47.9860 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(218, 235, 167)` looks like.

```
.text, #text, p{  
    color:rgb(218, 235, 167)  
}
```

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(218, 235, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 235, 167) }
```

Border

The CSS property to change the border of an element to XYZ 65.5968, 77.1121, 47.9860 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(218, 235, 167) }
```


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

```
.border{ border-color:rgb(218, 235, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 235, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 235, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 235, 167); box-shadow:4px 4px 4px 4px rgb(218, 235, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5968, 77.1121, 47.9860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 235, 167) }
```

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

```
.background{ background-color: rgb(218,  
235, 167) }
```

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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