

Converting Colors

XYZ(66.3721, 76.9654, 53.4771)

Have a look what the booklet for
XYZ(66.3721, 76.9654, 53.4771)
contains.

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Color

**XYZ(66.3721, 76.9654,
53.4771)**

Conversions

Conversions Part 1

Format	Color
Hex	DAEAB2
RGB	218, 234, 178
RGB Percent	85%, 92%, 70%
CMY	0.1451, 0.0823, 0.3020
CMYK	0.07, 0.00, 0.24, 0.08
HSL	77°, 57%, 81%
HSV	77°, 24%, 92%
XYZ	66.3721, 76.9654, 53.4771
YIQ	222.8320, 8.4400, -20.8080

Conversions

Conversions Part 2

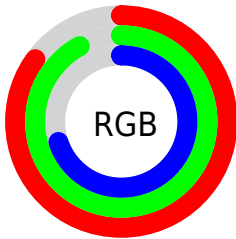
Format	Color
R _{YB}	178, 234, 194
Decimal	14346930
CIE Lab	90.31, -14.62, 25.49
CIE LCh	90, 29.384, 119.838
Yxy	76.9654, 0.3372, 0.3911
Android (android.graphics.Color)	4292537010 (0xFFDAEAB2)
YUV	222.8320, -22.1022, -4.2377
Hunter-Lab	87.7299, -18.4831, 25.2698

Details

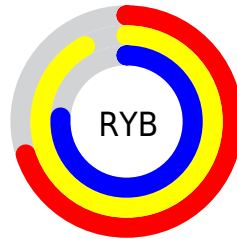
The XYZ color **66.3721, 76.9654, 53.4771** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **53.0229, 49.2528, 84.5583**, and the grayscale version is **70.1694, 73.8237, 80.3940**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **34.7263, 41.1080, 25.5064** is the 20% darker color. If you saturate the color by 10%, you get **62.2611, 75.0972, 42.0489**, and if you desaturate by 10%, it is **70.9687, 79.0423, 67.0233**.

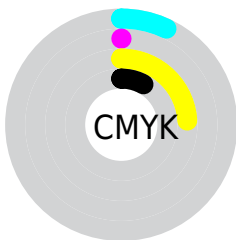
Distribution



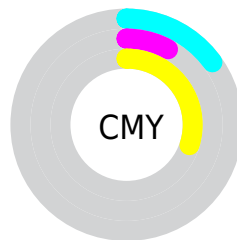
- Red (85%)
- Green (92%)
- Blue (70%)



- Red (70%)
- Yellow (92%)
- Blue (76%)



- Cyan (7%)
- Magenta (0%)
- Yellow (24%)
- Black (8%)



- Cyan (15%)
- Magenta (8%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3721, 76.9654, 53.4771 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 66.3721, 76.9654, 53.4771 by changing the saturation by 10% instead.

■ 66.3721, 76.9654,
53.4771

■ 66.3721, 76.9654,
53.4771

437.1742,
484.6461, 417.2310

■ 48.8433, 57.2245,
37.7934

■ 113.0750,
129.0906, 96.7547

■ 34.7093, 41.1855,
25.5218

142.9799,
162.2437, 125.1857

■ 23.6045, 28.4641,
16.2437

177.7408,
200.6364, 158.7029

■ 15.1636, 18.6758,
9.5406

217.7232,
244.6529, 197.7249

■ 9.0214, 11.4362,
4.9938

263.2923,
294.6777, 242.6701

■ 4.8123, 6.3611,
2.1850

314.8137,

■ 2.1712, 3.0658,

351.0953, 293.9572

0.6657

372.6525,
414.2899, 352.0046

■ 0.7275, 1.1662,
0.0000

■ 0.0000, 0.0338,
0.0000

■ 66.3721, 76.9654,
53.4771

■ 66.3721, 76.9654,
53.4771

■ 62.2611, 75.0972,
42.0489

■ 70.9687, 79.0423,
67.0233

■ 58.6084, 73.4189,
32.6265

■ 76.0646, 81.3259,
82.7819

■ 55.3929, 71.9246,
25.0950

■ 81.6805, 83.8269,
100.8480

■ 52.5892, 70.6040,
19.3260

■ 85.0438, 85.4366,
106.6164

■ 50.1689, 69.4457,
15.1750

■ 87.4163, 86.6596,
106.7274

■ 48.0992, 68.4364,
12.4744

■ 88.7144, 87.3289,
106.7881

■ 46.3404, 67.5601,
11.0205

■ 45.3882, 67.0785,
10.5552

Harmonies

Analogous

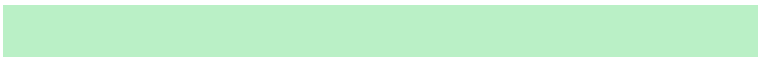
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.1930, 76.9654, 49.6138



66.3721, 76.9654, 53.4771



61.6476, 76.9654, 65.1389

Triad

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



66.3721, 76.9654, 53.4771



66.3077, 76.9654, 123.7038



88.1483, 76.9654, 83.9159

Complementary

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



66.3721, 76.9654, 53.4771



53.0229, 49.2528, 84.5583

Split Complementary

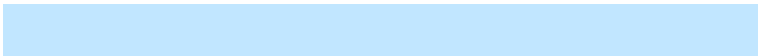
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.0084, 76.9654, 105.7280



66.3721, 76.9654, 53.4771



73.1136, 76.9654, 130.9137

Square

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



66.3721, 76.9654, 53.4771



61.6122, 76.9654, 105.4983



80.3813, 76.9654, 123.8512



86.0526, 76.9654, 65.3054

Rectangle

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



66.3721, 76.9654, 53.4771



60.1568, 76.9654, 76.8907



80.3813, 76.9654, 123.8512



87.8986, 76.9654, 91.1160

Sweetspot

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



66.3741, 76.9688, 53.4788



90.4560, 97.9485, 94.3741



61.2324, 59.2334, 50.3265



19.2796, 20.9284, 19.9457



0.0000, 0.0000, 0.0000



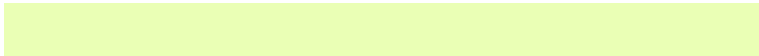
20.3446, 21.4041, 23.3091

Same Dimension

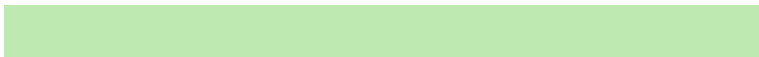
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.3741, 76.9688, 53.4788



77.9933, 92.3280, 57.4534



58.7298, 73.0280, 53.1210



15.9081, 17.3982, 16.0385



25.6342, 37.7594, 5.9372



2.1068, 3.0134, 0.4706

Inverse Universe

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



53.0229, 49.2528, 84.5583



58.9910, 52.8703, 101.7036



60.8578, 53.2918, 84.9249



14.6355, 14.7574, 18.9993



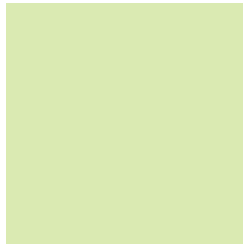
9.7486, 4.0615, 44.0131



0.8573, 0.3663, 3.4604

Previews

White Background



This preview shows how the XYZ color 66.3721, 76.9654, 53.4771 looks on a white background.

Color Contrast Check

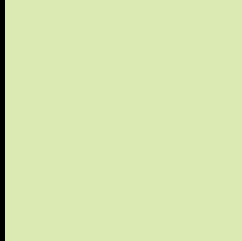
Large Text (above 18pt) WCAG AA × Fail

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 66.3721, 76.9654, 53.4771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

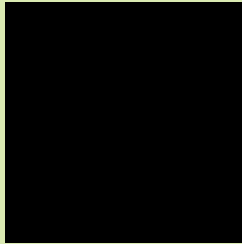
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

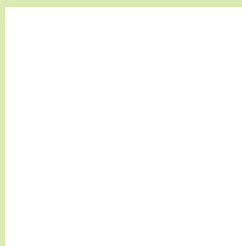
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.3721, 76.9654, 53.4771

Background



This preview shows how black text looks on a background with the XYZ color 66.3721, 76.9654, 53.4771.

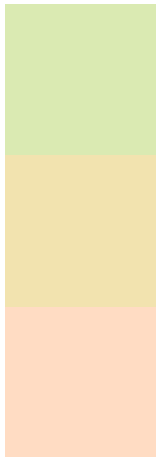


This preview shows how white text looks on a background with the XYZ color 66.3721, 76.9654,

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

66.3721, 76.9654, 53.4771

Protanopia

71.8249, 76.9106, 51.6171

Deuteranopia

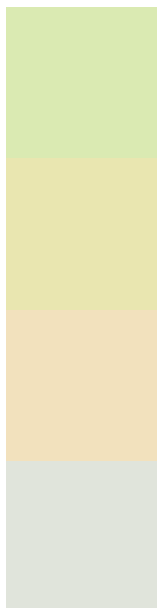
76.6835, 76.3865, 62.3322



Tritanopia

74.7814, 76.6524, 95.6480

Trichromacy



Original Color

66.3721, 76.9654, 53.4771

Protanomaly

69.7376, 77.0519, 52.2712

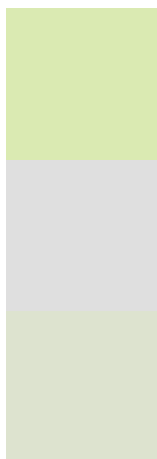
Deuteranomaly

72.7285, 76.4018, 59.0579

Tritanomaly

71.2701, 76.4486, 78.0175

Monochromacy



Original Color

66.3721, 76.9654, 53.4771

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.5504, 74.8153, 69.8593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3721, 76.9654, 53.4771 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, 234, 178)` looks like.

```
.text, #text, p{  
    color:rgb(218, 234, 178)  
}
```

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, 234, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 234, 178) }
```

Border

The CSS property to change the border of an element to XYZ 66.3721, 76.9654, 53.4771 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, 234, 178) }
```


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

```
.border{ border-color:rgb(218, 234, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 234, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 234, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 234, 178);  
box-shadow:4px 4px 4px 4px rgb(218, 234,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3721, 76.9654, 53.4771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 234, 178) }
```

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

```
.background{ background-color: rgb(218,  
234, 178) }
```

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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