

Converting Colors

XYZ(76.5892, 84.7609, 83.8169)

Have a look what the booklet for
XYZ(76.5892, 84.7609, 83.8169)
contains.

XYZ(76.4099, 84.5156, 83.5201)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(76.4099, 84.5156,
83.5201)**

Conversions

Conversions Part 1

Format	Color
Hex	E2F1E1
RGB	226, 241, 225
RGB Percent	89%, 95%, 88%
CMY	0.1137, 0.0549, 0.1176
CMYK	0.06, 0.00, 0.07, 0.05
HSL	116°, 36%, 91%
HSV	116°, 7%, 95%
XYZ	76.4099, 84.5156, 83.5201
YIQ	234.6910, -3.8040, -8.1560

Conversions

Conversions Part 2

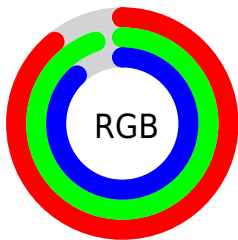
Format	Color
R_{YB}	225, 241, 240
Decimal	14873057
CIE Lab	93.67, -7.82, 6.01
CIE LCh	94, 9.863, 142.432
Yxy	84.5156, 0.3126, 0.3457
Android (android.graphics.Color)	4293063137 (0xFFE2F1E1)
YUV	234.6910, -4.7777, -7.6220
Hunter-Lab	91.9324, -12.5208, 10.4880

Details

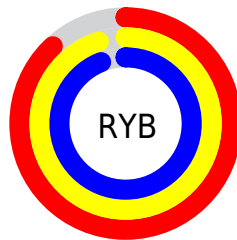
The XYZ color **76.4099, 84.5156, 83.5201** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.7410, 78.7290, 94.2696**, and the grayscale version is **78.7699, 82.8721, 90.2477**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3992, 46.2581, 44.7769** is the 20% darker color. If you saturate the color by 10%, you get **66.7272, 79.8799, 67.0989**, and if you desaturate by 10%, it is **87.4951, 89.8256, 102.4329**.

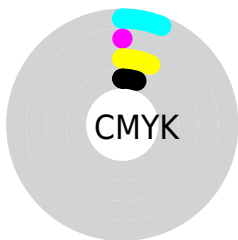
Distribution



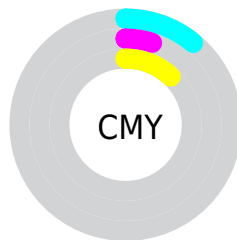
- Red (89%)
- Green (95%)
- Blue (88%)



- Red (88%)
- Yellow (95%)
- Blue (94%)



- Cyan (6%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)



- Cyan (11%)
- Magenta (5%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4099, 84.5156, 83.5201 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 76.4099, 84.5156, 83.5201 by changing the saturation by 10% instead.

76.4099, 84.5156,
83.5201

76.4099, 84.5156,
83.5201

471.6726,
510.0238, 526.7346

57.0669, 63.4412,
62.0762

127.2834,
139.6962, 140.1594

41.2993, 46.1982,
44.6581

159.5447,
174.5712, 176.1919

28.7417, 32.4023,
30.8472

196.8428,
214.8152, 217.9243

19.0288, 21.6690,
20.2250

239.5430,
260.8126, 265.7752

11.7952, 13.6139,
12.3730

288.0107,
312.9477, 320.1632

6.6756, 7.8526,
6.8727

342.6113,

3.3046, 4.0008,

371.6051, 381.5067

3.3053

403.7101,
437.1690, 450.2243

■ 1.3168, 1.6740,
1.2526

■ 0.1957, 0.4067,
0.0225

■ 76.4099, 84.5156,
83.5201

■ 76.4099, 84.5156,
83.5201

■ 66.7272, 79.8799,
67.0989

■ 87.4951, 89.8256,
102.4329

■ 58.3845, 75.8812,
53.0602

■ 90.7470, 91.3939,
107.4657

■ 51.3249, 72.4948,
41.2951

■ 45.4845, 69.6907,
31.6840

■ 40.7942, 67.4359,
24.0963

■ 37.1780, 65.6942,
18.3876

■ 34.5504, 64.4253,
14.3940

■ 32.8130, 63.5826,
11.9238

■ 31.8465, 63.1096,
10.7354

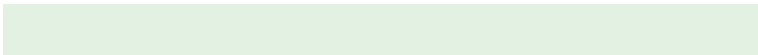
Harmonies

Analogous

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



78.4262, 84.5156, 79.3448



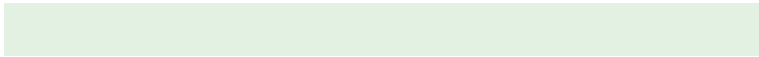
76.4099, 84.5156, 83.5201



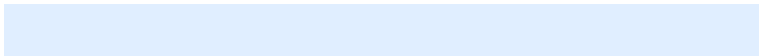
75.4479, 84.5156, 90.1397

Triad

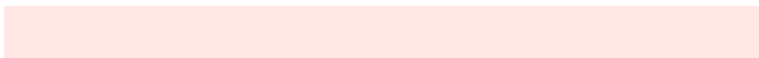
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.4099, 84.5156, 83.5201



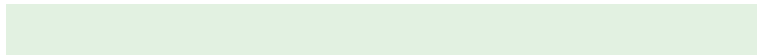
79.6692, 84.5156, 107.0476



85.0671, 84.5156, 86.6372

Complementary

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



76.4099, 84.5156, 83.5201



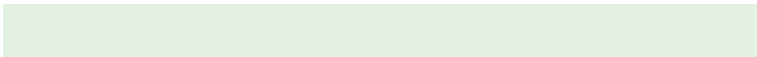
78.7410, 78.7290, 94.2696

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.



85.4173, 84.5156, 93.9326



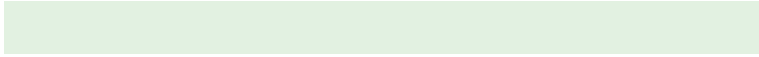
76.4099, 84.5156, 83.5201



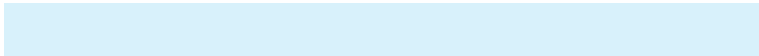
82.2634, 84.5156, 105.9848

Square

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



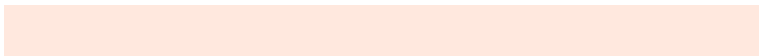
76.4099, 84.5156, 83.5201



77.3029, 84.5156, 103.9147



84.3810, 84.5156, 101.0845



83.4342, 84.5156, 81.0752

Rectangle

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



76.4099, 84.5156, 83.5201



75.5190, 84.5156, 95.1579



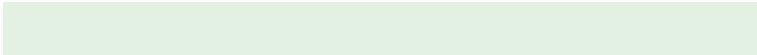
84.3810, 84.5156, 101.0845



85.3402, 84.5156, 88.9579

Sweetspot

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



76.4122, 84.5192, 83.5219



92.5023, 98.7802, 104.5514



81.0104, 86.4222, 83.6469



19.8260, 21.1558, 22.4238



0.0000, 0.0000, 0.0000



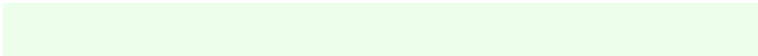
20.3446, 21.4041, 23.3091

Same Dimension

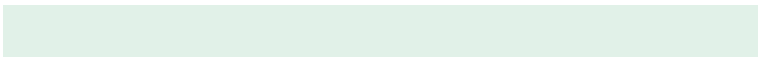
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4122, 84.5192, 83.5219



85.2479, 95.3064, 92.1975



77.0654, 84.7444, 88.5924



15.6573, 17.7035, 16.7416



17.2018, 34.1894, 5.6926



1.4629, 2.8607, 0.4751

Inverse Universe

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



78.7410, 78.7290, 94.2696



88.4168, 87.4270, 106.8228



78.0647, 78.4977, 88.9322



16.3511, 15.9782, 19.9439



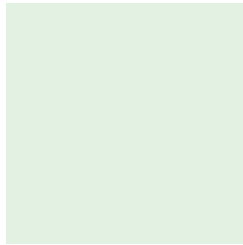
25.6525, 12.2298, 46.1364



2.1633, 1.0325, 3.8395

Previews

White Background



This preview shows how the XYZ color 76.4099, 84.5156, 83.5201 looks on a white background.

Color Contrast Check

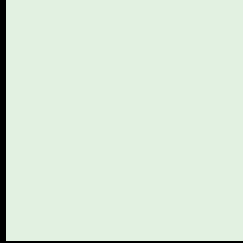
Large Text (above 18pt) WCAG AA × Fail

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 76.4099, 84.5156, 83.5201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

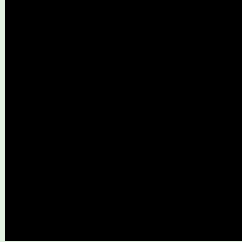
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

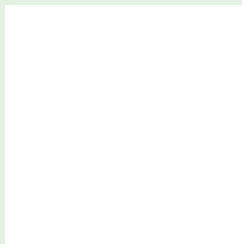
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.4099, 84.5156, 83.5201

Background



This preview shows how black text looks on a background with the XYZ color 76.4099, 84.5156, 83.5201.

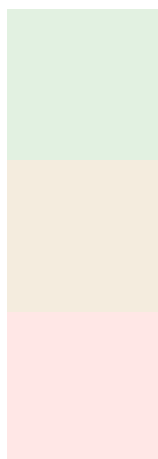


This preview shows how white text looks on a background with the XYZ color 76.4099, 84.5156,

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

76.4099, 84.5156, 83.5201

Protanopia

80.4885, 84.4979, 81.1748

Deuteranopia

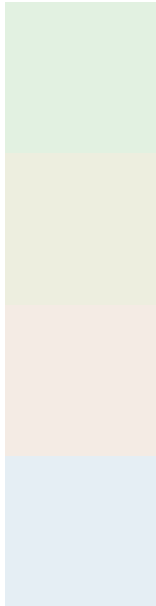
84.0988, 84.1250, 86.6682



Tritanopia

81.2892, 84.7773, 106.6870

Trichromacy



Original Color

76.4099, 84.5156, 83.5201

Protanomaly

78.8189, 84.4813, 81.9644

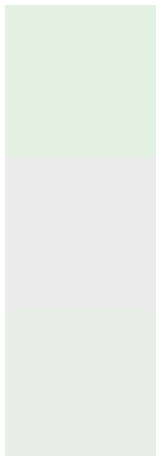
Deuteranomaly

81.0201, 84.2512, 85.3907

Tritanomaly

79.2168, 84.3387, 97.6918

Monochromacy



Original Color

76.4099, 84.5156, 83.5201

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

77.9867, 83.4937, 87.6069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4099, 84.5156, 83.5201 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(226, 241, 225) looks like.

```
.text, #text, p{  
    color:rgb(226, 241, 225)  
}
```

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(226, 241, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 241, 225) }
```

Border

The CSS property to change the border of an element to XYZ 76.4099, 84.5156, 83.5201 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(226, 241, 225) }
```


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

```
.border{ border-color:rgb(226, 241, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 241, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 241, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 241, 225); box-shadow:4px 4px 4px 4px rgb(226, 241, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4099, 84.5156, 83.5201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 241, 225) }
```

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

```
.background{ background-color: rgb(226,  
241, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor