

Converting Colors

XYZ(62.7160, 77.5615, 40.7069)

Have a look what the booklet for
XYZ(62.7160, 77.5615, 40.7069)
contains.

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Color

**XYZ(62.6660, 77.4903,
40.5084)**

Conversions

Conversions Part 1

Format	Color
Hex	D1EF96
RGB	209, 239, 150
RGB Percent	82%, 94%, 59%
CMY	0.1804, 0.0627, 0.4118
CMYK	0.13, 0.00, 0.37, 0.06
HSL	80°, 74%, 76%
HSV	80°, 37%, 94%
XYZ	62.6660, 77.4903, 40.5084
YIQ	219.8840, 10.6890, -34.0390

Conversions

Conversions Part 2

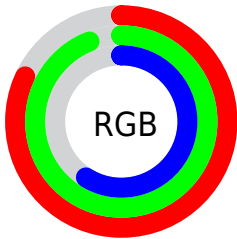
Format	Color
RYB	150, 239, 180
Decimal	13758358
CIELab	90.55, -24.07, 39.86
CIELCh	91, 46.564, 121.133
Yxy	77.4903, 0.3469, 0.4289
Android (android.graphics.Color)	4291948438 (0xFFD1EF96)
YUV	219.8840, -34.4528, -9.5453
Hunter-Lab	88.0286, -26.9790, 34.3363

Details

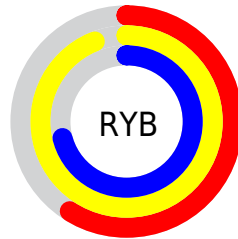
The XYZ color **62.6660, 77.4903, 40.5084** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.3118, 37.7501, 86.5640**, and the grayscale version is **68.1758, 71.7263, 78.1099**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **32.2750, 41.5211, 17.8686** is the 20% darker color. If you saturate the color by 10%, you get **58.7126, 75.6549, 31.2815**, and if you desaturate by 10%, it is **67.1311, 79.5491, 51.8112**.

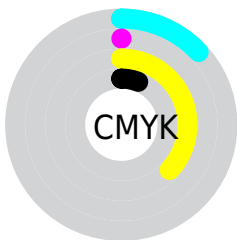
Distribution



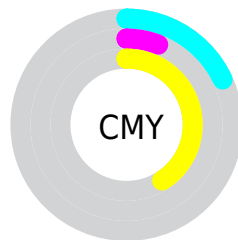
- Red (82%)
- Green (94%)
- Blue (59%)



- Red (59%)
- Yellow (94%)
- Blue (71%)



- Cyan (13%)
- Magenta (0%)
- Yellow (37%)
- Black (6%)





- Cyan (18%)
- Magenta (6%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.6660, 77.4903, 40.5084 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 62.6660, 77.4903, 40.5084 by changing the saturation by 10% instead.


 62.6660, 77.4903,
40.5084


 62.6660, 77.4903,
40.5084

424.0353,
486.4341, 363.8774

 45.8287, 57.6554,
27.6184


 107.7720,
129.8314, 77.1826

 32.3147, 41.5316,
17.8016


 136.7715,
163.1063, 101.8039

 21.7587, 28.7347,
10.6397


170.5556,
201.6300, 131.1726

 13.7953, 18.8802,
5.7140

209.4899,
245.7869, 165.7073

 8.0592, 11.5838,
2.6060

253.9397,
295.9613, 205.8266

 4.1850, 6.4609,
0.8956

304.2702,

 1.8073, 3.1273,

352.5378, 251.9491

0.0000

360.8470,
415.9005, 304.4931

0.5221, 1.1986,
0.0000

0.0000, 0.0605,
0.0000

62.6660, 77.4903,
40.5084

62.6660, 77.4903,
40.5084

58.7126, 75.6549,
31.2815

67.1311, 79.5491,
51.8112

55.2395, 74.0220,
23.9990

72.1258, 81.8305,
65.3008

52.2201, 72.5835,
18.5221

77.6741, 84.3471,
81.0863

49.6226, 71.3265,
14.6915

83.7964, 87.1072,
99.2679

■ 47.4095, 70.2359,
12.3202

■ 88.0878, 89.1490,
107.1725

■ 45.5328, 69.2920,
11.1644

■ 90.1581, 90.2163,
107.2694

■ 45.0535, 69.0491,
10.9532

Harmonies

Analogous

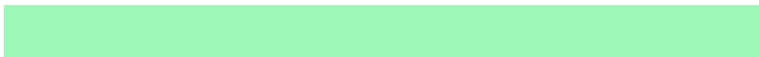
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2102, 77.4903, 35.1095



62.6660, 77.4903, 40.5084



55.7236, 77.4903, 57.0343

Triad

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



62.6660, 77.4903, 40.5084



63.3573, 77.4903, 153.9568



98.3980, 77.4903, 83.1118

Complementary

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



62.6660, 77.4903, 40.5084



45.3118, 37.7501, 86.5640

Split Complementary

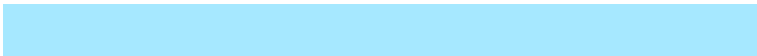
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.0649, 77.4903, 119.2944



62.6660, 77.4903, 40.5084



74.0959, 77.4903, 166.1514

Square

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



62.6660, 77.4903, 40.5084



56.0921, 77.4903, 122.0832



85.8528, 77.4903, 152.0707



94.5409, 77.4903, 55.3590

Rectangle

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



62.6660, 77.4903, 40.5084



53.6605, 77.4903, 74.8651



85.8528, 77.4903, 152.0707



98.0788, 77.4903, 94.6553

Sweetspot

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



62.6679, 77.4937, 40.5101



87.4644, 96.5737, 86.6676



57.3585, 53.0633, 36.0743



18.5328, 20.5854, 18.0139



0.0000, 0.0000, 0.0000



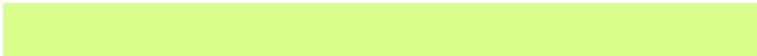
20.3446, 21.4041, 23.3091

Same Dimension

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



62.6679, 77.4937, 40.5101



68.9240, 88.0677, 38.2738



51.8564, 71.9202, 40.0041



16.5752, 18.1767, 16.7846



25.0416, 38.2310, 6.0595



2.1887, 3.2348, 0.5090

Inverse Universe

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



45.3118, 37.7501, 86.5640



46.0401, 35.6253, 99.0575



57.2813, 43.9206, 87.1242



15.3995, 15.4876, 19.8994



10.5900, 4.4647, 45.4315



0.9831, 0.4241, 3.7843

Previews

White Background



This preview shows how the XYZ color 62.6660, 77.4903, 40.5084 looks on a white background.

Color Contrast Check

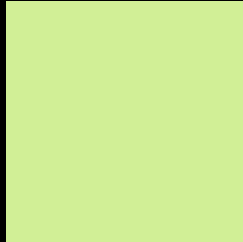
Large Text (above 18pt) WCAG AA × Fail

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 62.6660, 77.4903, 40.5084 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 62.6660, 77.4903, 40.5084

Background



This preview shows how black text looks on a background with the XYZ color 62.6660, 77.4903, 40.5084.

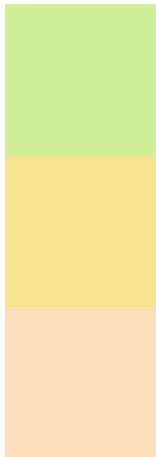


This preview shows how white text looks on a background with the XYZ color 62.6660, 77.4903,

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

62.6660, 77.4903, 40.5084

Protanopia

71.2913, 76.9390, 37.8813

Deuteranopia

76.5466, 77.1767, 59.0063



Tritanopia

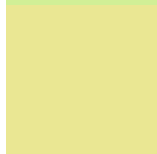
74.0747, 77.0603, 97.3562

Trichromacy



Original Color

62.6660, 77.4903, 40.5084



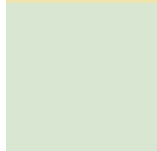
Protanomaly

67.7741, 76.7508, 38.8461



Deuteranomaly

70.7412, 76.7591, 51.6450



Tritanomaly

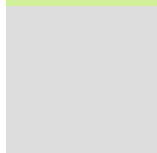
68.8240, 76.5567, 72.1223

Monochromacy



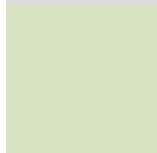
Original Color

62.6660, 77.4903, 40.5084



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.6383, 73.4772, 62.3528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.6660, 77.4903, 40.5084 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, 239, 150)` looks like.

```
.text, #text, p{  
    color:rgb(209, 239, 150)  
}
```

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, 239, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 239, 150) }
```

Border

The CSS property to change the border of an element to XYZ 62.6660, 77.4903, 40.5084 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, 239, 150) }
```


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

```
.border{ border-color:rgb(209, 239, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 239, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 239, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 239, 150);  
box-shadow:4px 4px 4px 4px rgb(209, 239,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 62.6660, 77.4903, 40.5084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 239, 150) }
```

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

```
.background{ background-color: rgb(209,  
239, 150) }
```

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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