

Converting Colors

XYZ(67.1356, 77.0460, 80.7891)

Have a look what the booklet for
XYZ(67.1356, 77.0460, 80.7891)
contains.

XYZ(67.2503, 77.2471, 80.4730)	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(67.2503, 77.2471,
80.4730)**

Conversions

Conversions Part 1

Format	Color
Hex	CAEBDE
RGB	202, 235, 222
RGB Percent	79%, 92%, 87%
CMY	0.2078, 0.0784, 0.1294
CMYK	0.14, 0.00, 0.06, 0.08
HSL	156°, 45%, 86%
HSV	156°, 14%, 92%
XYZ	67.2503, 77.2471, 80.4730
YIQ	223.6510, -15.4950, -11.0390

Conversions

Conversions Part 2

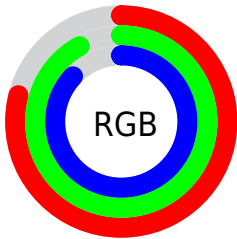
Format	Color
RYB	202, 223, 235
Decimal	13298654
CIELab	90.44, -13.23, 2.68
CIELCh	90, 13.500, 168.535
Yxy	77.2471, 0.2989, 0.3434
Android (android.graphics.Color)	4291488734 (0xFFCAEBDE)
YUV	223.6510, -0.8139, -18.9879
Hunter-Lab	87.8903, -17.2267, 7.2369

Details

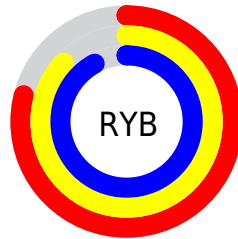
The XYZ color **67.2503, 77.2471, 80.4730** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.6500, 64.8116, 73.2378**, and the grayscale version is **70.6178, 74.2954, 80.9077**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.3079, 41.3261, 42.6750** is the 20% darker color. If you saturate the color by 10%, you get **60.1627, 73.7349, 73.8410**, and if you desaturate by 10%, it is **75.3787, 81.2922, 87.5128**.

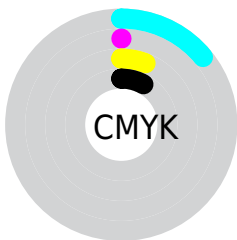
Distribution



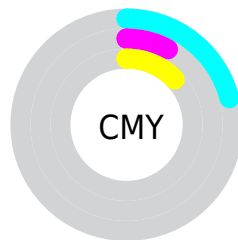
- Red (79%)
- Green (92%)
- Blue (87%)



- Red (79%)
- Yellow (87%)
- Blue (92%)



- Cyan (14%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)



- Cyan (21%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2503, 77.2471, 80.4730 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 67.2503, 77.2471, 80.4730 by changing the saturation by 10% instead.

67.2503, 77.2471,
80.4730

67.2503, 77.2471,
80.4730

440.2537,
485.6061, 516.2742

49.5595, 57.4557,
59.5792

114.3268,
129.4882, 135.8479

35.2799, 41.3712,
42.6565

144.4432,
162.7067, 171.1662

24.0461, 28.6093,
29.2863

179.4323,
201.1698, 212.1296

15.4927, 18.7854,
19.0500

219.6592,
245.2617, 259.1568

9.2545, 11.5153,
11.5293

265.4895,
295.3669, 312.6664

4.9660, 6.4146,
6.3054

317.2884,

2.2619, 3.0988,

351.8697, 373.0767

2.9599

375.4214,
415.1547, 440.8065

0.7750, 1.1835,
1.0742

0.0000, 0.0482,
0.0000

67.2503, 77.2471,
80.4730

67.2503, 77.2471,
80.4730

60.1627, 73.7349,
73.8410

75.3787, 81.2922,
87.5128

54.0647, 70.7230,
67.6038

84.5833, 85.8820,
94.9627

48.9103, 68.1900,
61.7552

88.1705, 87.5678,
102.5164

44.6473, 66.1089,
56.2867

88.9997, 87.8995,
106.8832

■ 41.2182, 64.4504,
51.1896

■ 38.5581, 63.1811,
46.4545

■ 36.5925, 62.2628,
42.0715

■ 35.2304, 61.6487,
38.0297

■ 34.6233, 61.3849,
35.7776

Harmonies

Analogous

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



68.6704, 77.2471, 72.4066



67.2503, 77.2471, 80.4730



67.4456, 77.2471, 90.1488

Triad

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



67.2503, 77.2471, 80.4730



75.5008, 77.2471, 102.9648



77.7970, 77.2471, 70.9516

Complementary

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



67.2503, 77.2471, 80.4730



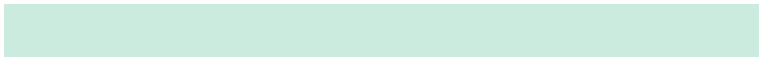
67.6500, 64.8116, 73.2378

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.



79.7394, 77.2471, 78.3451



67.2503, 77.2471, 80.4730



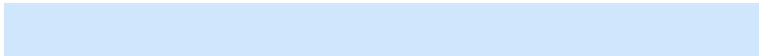
78.3859, 77.2471, 97.0088

Square

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



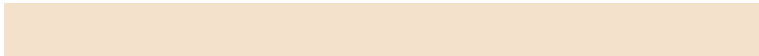
67.2503, 77.2471, 80.4730



72.1403, 77.2471, 103.6443



79.9582, 77.2471, 87.8528



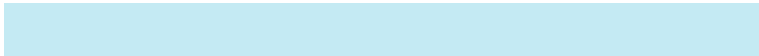
74.7169, 77.2471, 67.1969

Rectangle

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



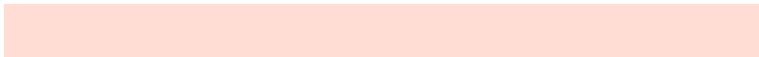
67.2503, 77.2471, 80.4730



68.4668, 77.2471, 96.2114



79.9582, 77.2471, 87.8528



78.6087, 77.2471, 73.0665

Sweetspot

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



67.2525, 77.2503, 80.4747



90.7561, 97.8604, 105.3568



68.4547, 78.1617, 67.3572



19.2577, 20.8626, 22.4100



0.0000, 0.0000, 0.0000



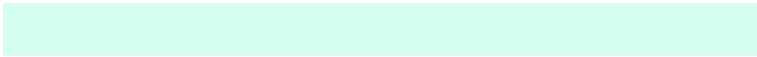
20.3446, 21.4041, 23.3091

Same Dimension

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



67.2525, 77.2503, 80.4747



78.2315, 91.6334, 94.3912



68.1273, 76.1024, 89.6995



15.2517, 17.0155, 18.0085



19.3331, 34.1877, 20.2509



1.5652, 2.7034, 1.8382

Inverse Universe

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



67.6500, 64.8116, 73.2378



78.8012, 73.8142, 84.0255



66.8272, 65.7348, 65.0443



15.3112, 15.1524, 16.9243



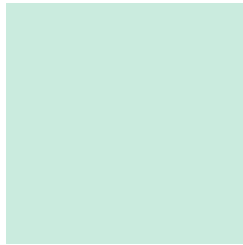
20.2159, 10.2890, 6.9380



1.6336, 0.8264, 0.7877

Previews

White Background



This preview shows how the XYZ color 67.2503, 77.2471, 80.4730 looks on a white background.

Color Contrast Check

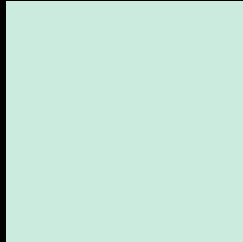
Large Text (above 18pt) WCAG AA × Fail

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 67.2503, 77.2471, 80.4730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

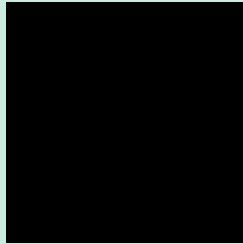
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

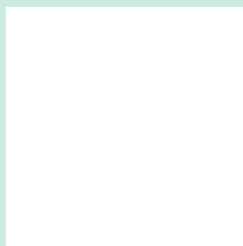
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.2503, 77.2471, 80.4730

Background



This preview shows how black text looks on a background with the XYZ color 67.2503, 77.2471, 80.4730.



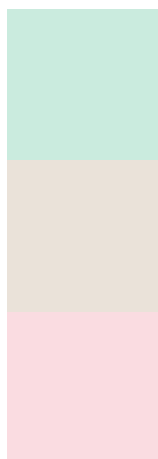
This preview shows how white text looks on a background with the XYZ color 67.2503, 77.2471,

80.4730.

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

67.2503, 77.2471, 80.4730

Protanopia

73.6524, 76.8949, 76.6059

Deuteranopia

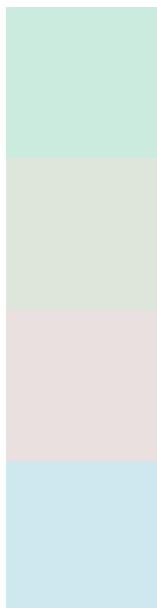
78.6081, 76.9466, 81.9433



Tritanopia

71.4069, 77.2568, 100.7710

Trichromacy



Original Color

67.2503, 77.2471, 80.4730

Protanomaly

70.9297, 76.6827, 78.0807

Deuteranomaly

73.9840, 76.5559, 81.3984

Tritanomaly

69.6134, 76.9244, 92.8402

Monochromacy



Original Color

67.2503, 77.2471, 80.4730

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.3816, 75.4134, 80.7115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2503, 77.2471, 80.4730 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(202, 235, 222)` looks like.

```
.text, #text, p{  
    color:rgb(202, 235, 222)  
}
```

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(202, 235, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 235, 222) }
```

Border

The CSS property to change the border of an element to XYZ 67.2503, 77.2471, 80.4730 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(202, 235, 222) }
```


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

```
.border{ border-color:rgb(202, 235, 222) }
```

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

Here you see how a box with a 4 pixel rgb(202, 235, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 235, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 235, 222);  
box-shadow:4px 4px 4px 4px rgb(202, 235,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2503, 77.2471, 80.4730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 235, 222) }
```

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

```
.background{ background-color: rgb(202,  
235, 222) }
```

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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