

Converting Colors

XYZ(67.5695, 75.1136, 79.9097)

Have a look what the booklet for
XYZ(67.5695, 75.1136, 79.9097)
contains.

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Color

**XYZ(67.7761, 75.4229,
80.0931)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E6DE
RGB	209, 230, 222
RGB Percent	82%, 90%, 87%
CMY	0.1804, 0.0980, 0.1294
CMYK	0.09, 0.00, 0.03, 0.10
HSL	157°, 30%, 86%
HSV	157°, 9%, 90%
XYZ	67.7761, 75.4229, 80.0931
YIQ	222.8090, -9.9480, -6.9400

Conversions

Conversions Part 2

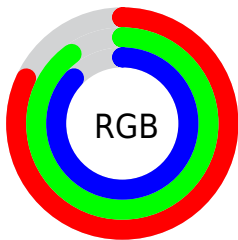
Format	Color
R_{YB}	209, 222, 230
Decimal	13756126
CIE _{Lab}	89.59, -8.43, 1.51
CIE _{LCh}	90, 8.567, 169.832
Yxy	75.4229, 0.3035, 0.3378
Android (android.graphics.Color)	4291946206 (0xFFD1E6DE)
YUV	222.8090, -0.3988, -12.1105
Hunter-Lab	86.8464, -12.6773, 6.1129

Details

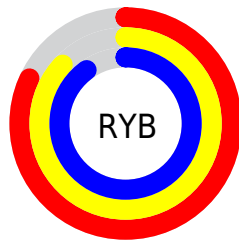
The XYZ color **67.7761, 75.4229, 80.0931** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.9607, 67.4356, 75.0836**, and the grayscale version is **70.0133, 73.6594, 80.2151**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.4375, 39.9321, 42.3991** is the 20% darker color. If you saturate the color by 10%, you get **60.5886, 71.8519, 73.7841**, and if you desaturate by 10%, it is **75.9684, 79.5090, 86.7711**.

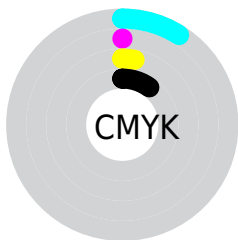
Distribution



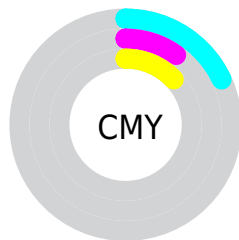
- Red (82%)
- Green (90%)
- Blue (87%)



- Red (82%)
- Yellow (87%)
- Blue (90%)



- Cyan (9%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (18%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7761, 75.4229, 80.0931 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 67.7761, 75.4229, 80.0931 by changing the saturation by 10% instead.

■ 67.7761, 75.4229,
80.0931

■ 67.7761, 75.4229,
80.0931

442.0915,
479.3699, 514.9616

■ 49.9886, 55.9594,
59.2683

115.0755,
126.9108, 135.3092

■ 35.6221, 40.1704,
42.4077

145.3180,
159.7040, 170.5376

■ 24.3112, 27.6714,
29.0927

180.4430,
197.7093, 211.4044

■ 15.6906, 18.0781,
18.9048

220.8158,
241.3110, 258.3279

■ 9.3950, 11.0061,
11.4254

266.8016,
290.8935, 311.7269

■ 5.0589, 6.0709,
6.2360

318.7660,

■ 2.3169, 2.8883,

346.8412, 372.0198

2.9180

377.0741,
409.5385, 439.6252

■ 0.8033, 1.0737,
1.0529

■ 0.0000, 0.0000,
0.0000

■ 67.7761, 75.4229,
80.0931

■ 67.7761, 75.4229,
80.0931

■ 60.5886, 71.8519,
73.7841

■ 75.9684, 79.5090,
86.7711

■ 54.3585, 68.7655,
67.8324

■ 85.1968, 84.1200,
93.8194

■ 49.0441, 66.1442,
62.2327

■ 86.5274, 84.6522,
100.8263

■ 44.5979, 63.9638,
56.9777

■ 87.5883, 85.0765,
106.4128

■ 40.9681, 62.1977,
52.0598

■ 38.0971, 60.8162,
47.4712

■ 35.9193, 59.7857,
43.2032

■ 34.3572, 59.0664,
39.2467

■ 33.2903, 58.5963,
35.5902

Harmonies

Analogous

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



68.6381, 75.4229, 74.8694



67.7761, 75.4229, 80.0931



67.9463, 75.4229, 86.1191

Triad

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



67.7761, 75.4229, 80.0931



73.0694, 75.4229, 93.5183



74.3301, 75.4229, 73.5783

Complementary

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



67.7761, 75.4229, 80.0931



67.9607, 67.4356, 75.0836

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.



75.5630, 75.4229, 78.2519



67.7761, 75.4229, 80.0931



74.8253, 75.4229, 89.8300

Square

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



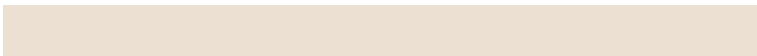
67.7761, 75.4229, 80.0931



70.9750, 75.4229, 94.0706



75.7459, 75.4229, 84.1863



72.4042, 75.4229, 71.2319

Rectangle

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



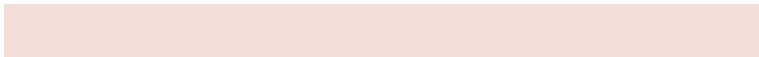
67.7761, 75.4229, 80.0931



68.6233, 75.4229, 89.7748



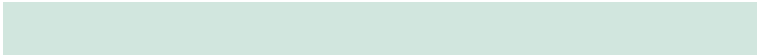
75.7459, 75.4229, 84.1863



74.8409, 75.4229, 74.9183

Sweetspot

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



67.7782, 75.4261, 80.0948



91.8255, 98.3915, 106.3178



68.4381, 75.9599, 71.3772



19.4743, 20.9700, 22.6102



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.



67.7782, 75.4261, 80.0948



83.7992, 94.3933, 99.6390



68.1997, 74.5112, 85.6544



14.5624, 16.2384, 17.2266



18.8608, 33.1764, 20.2992



1.4387, 2.4696, 1.7366

Inverse Universe

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



67.9607, 67.4356, 75.0836



84.0750, 82.3226, 92.0695



67.5503, 68.2408, 69.9341



14.6031, 14.4584, 16.1103



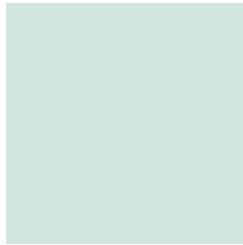
19.5190, 9.9418, 6.3621



1.4865, 0.7523, 0.7026

Previews

White Background



This preview shows how the XYZ color 67.7761, 75.4229, 80.0931 looks on a white background.

Color Contrast Check

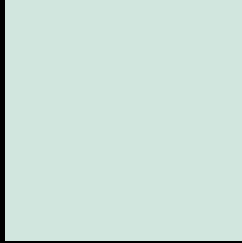
Large Text (above 18pt) WCAG AA × Fail

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 67.7761, 75.4229, 80.0931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

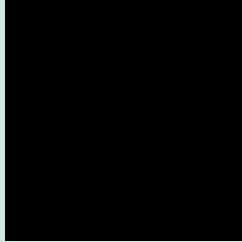
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

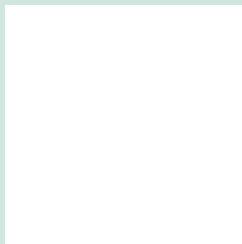
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7761, 75.4229, 80.0931

Background



This preview shows how black text looks on a background with the XYZ color 67.7761, 75.4229, 80.0931.

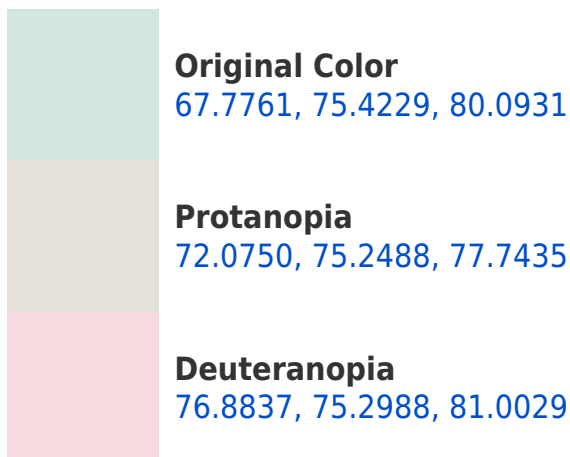


This preview shows how white text looks on a background with the XYZ color 67.7761, 75.4229,

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





Tritanopia

71.3911, 75.6769, 97.2306

Trichromacy



Original Color

67.7761, 75.4229, 80.0931

Protanomaly

70.2388, 75.0896, 78.5019

Deuteranomaly

73.0448, 74.8939, 80.4181

Tritanomaly

70.1808, 75.5983, 91.0138

Monochromacy



Original Color

67.7761, 75.4229, 80.0931

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.4291, 74.6259, 80.5570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7761, 75.4229, 80.0931 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, 230, 222)` looks like.

```
.text, #text, p{  
    color:rgb(209, 230, 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(209, 230, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 230, 222) }
```

Border

The CSS property to change the border of an element to XYZ 67.7761, 75.4229, 80.0931 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, 230, 222) }
```


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

```
.border{ border-color:rgb(209, 230, 222) }
```

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

Here you see how a box with a 4 pixel rgb(209, 230, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 230, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 230, 222);  
box-shadow:4px 4px 4px 4px rgb(209, 230,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7761, 75.4229, 80.0931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 230, 222) }
```

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

```
.background{ background-color: rgb(209,  
230, 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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