

Converting Colors

XYZ(68.7614, 73.4850, 83.1968)

Have a look what the booklet for
XYZ(68.7614, 73.4850, 83.1968)
contains.

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Color

**XYZ(68.8397, 73.4563,
83.2233)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E0E3
RGB	216, 224, 227
RGB Percent	85%, 88%, 89%
CMY	0.1529, 0.1215, 0.1098
CMYK	0.05, 0.01, 0.00, 0.11
HSL	196°, 16%, 87%
HSV	196°, 5%, 89%
XYZ	68.8397, 73.4563, 83.2233
YIQ	221.9500, -5.7310, -0.7630

Conversions

Conversions Part 2

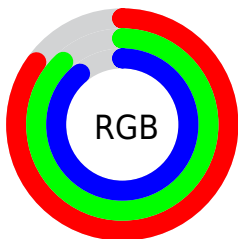
Format	Color
R _Y B	216, 221, 227
Decimal	14213347
CIE Lab	88.66, -2.12, -2.41
CIE LCh	89, 3.205, 228.654
Yxy	73.4563, 0.3052, 0.3257
Android (android.graphics.Color)	4292403427 (0xFFD8E0E3)
YUV	221.9500, 2.4897, -5.2181
Hunter-Lab	85.7067, -6.6152, 2.4226

Details

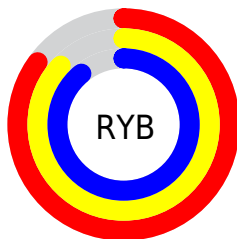
The XYZ color **68.8397, 73.4563, 83.2233** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.4050, 71.9512, 75.1968**, and the grayscale version is **69.3835, 72.9969, 79.4936**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3323, 38.9316, 44.6294** is the 20% darker color. If you saturate the color by 10%, you get **60.9598, 66.9736, 82.3885**, and if you desaturate by 10%, it is **77.7108, 80.5438, 84.1249**.

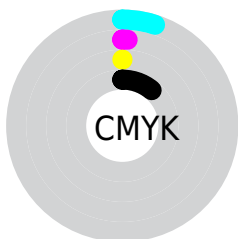
Distribution



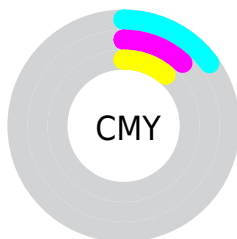
- Red (85%)
- Green (88%)
- Blue (89%)



- Red (85%)
- Yellow (87%)
- Blue (89%)



- Cyan (5%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)



- Cyan (15%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8397, 73.4563, 83.2233 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 68.8397, 73.4563, 83.2233 by changing the saturation by 10% instead.

■ 68.8397, 73.4563,
83.2233

■ 68.8397, 73.4563,
83.2233

445.7956,
472.5948, 525.7209

■ 50.8573, 54.3492,
61.8327

116.5879,
124.1248, 139.7402

■ 36.3157, 38.8809,
44.4626

147.0845,
156.4549, 175.7036

■ 24.8493, 26.6671,
30.6945

182.4831,
193.9614, 217.3616

■ 16.0930, 17.3233,
20.1098

223.1493,
237.0289, 265.1329

■ 9.6812, 10.4653,
12.2900

269.4482,
286.0415, 319.4359

■ 5.2488, 5.7085,
6.8166

321.7454,

■ 2.4302, 2.6687,

341.3838, 380.6892

3.2710

380.4061,
403.4400, 449.3114

■ 0.8602, 0.9613,
1.2346

■ 0.0000, 0.0000,
0.0073

■ 68.8397, 73.4563,
83.2233

■ 68.8397, 73.4563,
83.2233

■ 60.9598, 66.9736,
82.3885

■ 77.7108, 80.5438,
84.1249

■ 54.0263, 61.0655,
81.6135

■ 85.2081, 87.0117,
84.9782

■ 48.0004, 55.7132,
80.8980

■ 87.0232, 90.6419,
85.5832

■ 42.8380, 50.8928,
80.2397

■ 88.9006, 94.3966,
86.2090

■ 38.4910, 46.5788,
79.6361

■ 90.8408, 98.2771,
86.8557

■ 34.9067, 42.7427,
79.0846

■ 90.8653, 98.3261,
86.8639

■ 32.0254, 39.3529,
78.5821

■ 29.7782, 36.3728,
78.1254

■ 28.0807, 33.7579,
77.7101

Harmonies

Analogous

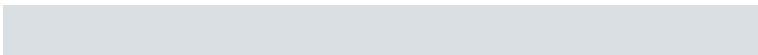
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.4177, 73.4563, 81.3521



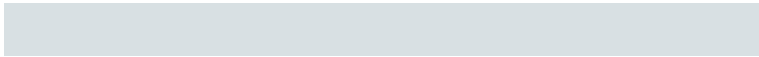
68.8397, 73.4563, 83.2233



69.5257, 73.4563, 84.2325

Triad

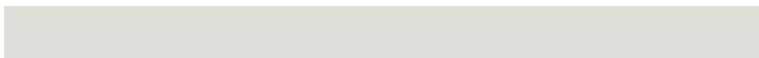
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.8397, 73.4563, 83.2233



71.2870, 73.4563, 80.8227



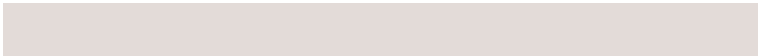
69.3432, 73.4563, 76.0116

Complementary

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



68.8397, 73.4563, 83.2233



69.4050, 71.9512, 75.1968

Split Complementary

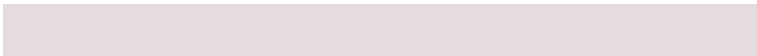
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.1111, 73.4563, 75.8758



68.8397, 73.4563, 83.2233



71.2373, 73.4563, 78.6262

Square

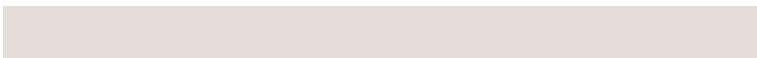
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.8397, 73.4563, 83.2233



70.9410, 73.4563, 82.8296



70.8055, 73.4563, 76.8248



68.7069, 73.4563, 77.1993

Rectangle

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



68.8397, 73.4563, 83.2233



70.0421, 73.4563, 84.2685



70.8055, 73.4563, 76.8248



69.5944, 73.4563, 75.8422

Sweetspot

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



68.8418, 73.4594, 83.2249



93.8969, 99.0772, 108.7827



68.5666, 74.6493, 77.7679



20.1100, 21.2163, 23.2852



0.0000, 0.0000, 0.0000



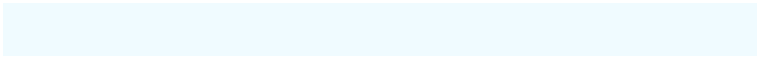
20.3446, 21.4041, 23.3091

Same Dimension

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



68.8418, 73.4594, 83.2249



88.3282, 94.5824, 108.2086



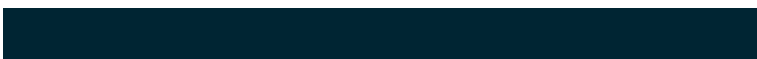
67.4038, 70.5834, 82.7456



14.9660, 16.0531, 18.4541



16.0523, 19.1668, 45.2367



1.2625, 1.5688, 3.3682

Inverse Universe

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



69.6906, 70.8259, 80.5224



89.6980, 90.3581, 103.8415



70.8466, 74.8345, 75.6774



15.2217, 15.2669, 17.6383



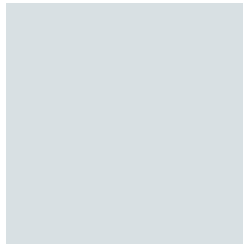
22.4960, 11.1326, 22.0386



1.7009, 0.8381, 1.8312

Previews

White Background



This preview shows how the XYZ color 68.8397, 73.4563, 83.2233 looks on a white background.

Color Contrast Check

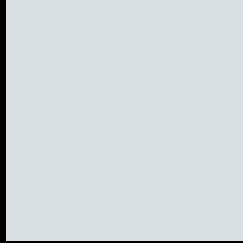
Large Text (above 18pt) WCAG AA × Fail

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 68.8397, 73.4563, 83.2233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

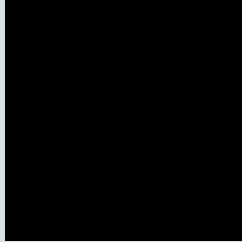
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

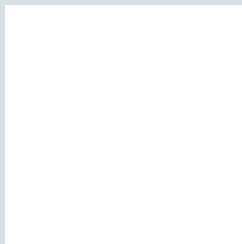
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8397, 73.4563, 83.2233

Background



This preview shows how black text looks on a background with the XYZ color 68.8397, 73.4563, 83.2233.

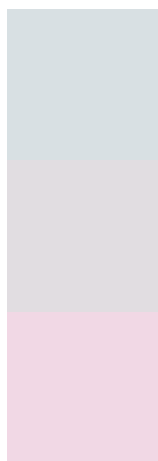


This preview shows how white text looks on a background with the XYZ color 68.8397, 73.4563,

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

68.8397, 73.4563, 83.2233

Protanopia

70.4984, 73.1567, 81.6392

Deuteranopia

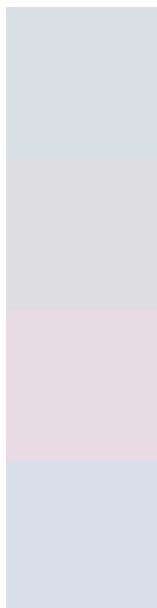
74.9744, 73.4696, 84.3582



Tritanopia

70.7629, 73.4392, 92.8837

Trichromacy



Original Color

68.8397, 73.4563, 83.2233

Protanomaly

69.9729, 73.2631, 82.4047

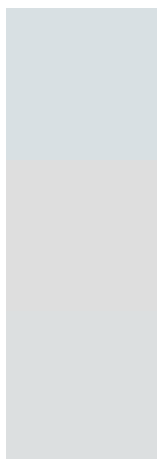
Deuteranomaly

72.6138, 73.4203, 83.7432

Tritanomaly

69.9983, 73.5252, 89.0997

Monochromacy



Original Color

68.8397, 73.4563, 83.2233

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.3574, 73.3728, 81.0279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8397, 73.4563, 83.2233 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(216, 224, 227) looks like.

```
.text, #text, p{  
    color:rgb(216, 224, 227)  
}
```

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(216, 224, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 224, 227) }
```

Border

The CSS property to change the border of an element to XYZ 68.8397, 73.4563, 83.2233 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(216, 224, 227) }
```


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

```
.border{ border-color:rgb(216, 224, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 224, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 224, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 224, 227);  
box-shadow:4px 4px 4px 4px rgb(216, 224,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8397, 73.4563, 83.2233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 224, 227) }
```

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

```
.background{ background-color: rgb(216,  
224, 227) }
```

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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