

Converting Colors

XYZ(68.6685, 73.4109, 84.8234)

Have a look what the booklet for
XYZ(68.6685, 73.4109, 84.8234)
contains.

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Color

**XYZ(68.5301, 73.2646,
84.6583)**

Conversions

Conversions Part 1

Format	Color
Hex	D6E0E5
RGB	214, 224, 229
RGB Percent	84%, 88%, 90%
CMY	0.1608, 0.1215, 0.1020
CMYK	0.07, 0.02, 0.00, 0.10
HSL	200°, 22%, 87%
HSV	200°, 7%, 90%
XYZ	68.5301, 73.2646, 84.6583
YIQ	221.5800, -7.5650, -0.5650

Conversions

Conversions Part 2

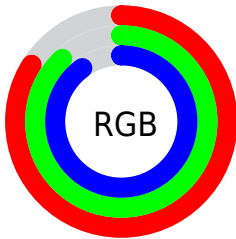
Format	Color
R_{YB}	214, 220, 229
Decimal	14082277
CIE Lab	88.57, -2.40, -3.61
CIE LCh	89, 4.333, 236.386
Yxy	73.2646, 0.3026, 0.3235
Android (android.graphics.Color)	4292272357 (0xFFD6E0E5)
YUV	221.5800, 3.6581, -6.6477
Hunter-Lab	85.5947, -6.8776, 1.2750

Details

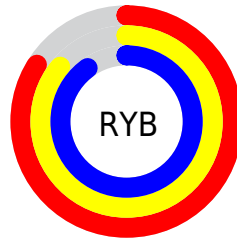
The XYZ color **68.5301, 73.2646, 84.6583** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.7825, 72.1756, 73.8730**, and the grayscale version is **69.1157, 72.7150, 79.1867**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1260, 38.8029, 45.6301** is the 20% darker color. If you saturate the color by 10%, you get **60.3071, 66.0519, 83.7006**, and if you desaturate by 10%, it is **77.7889, 81.1519, 85.6938**.

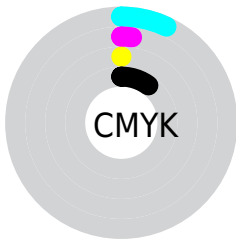
Distribution



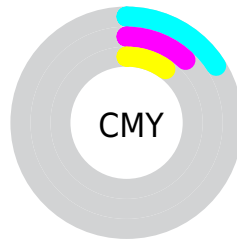
- Red (84%)
- Green (88%)
- Blue (90%)



- Red (84%)
- Yellow (86%)
- Blue (90%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (10%)



- Cyan (16%)
- Magenta (12%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5301, 73.2646, 84.6583 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 68.5301, 73.2646, 84.6583 by changing the saturation by 10% instead.

■ 68.5301, 73.2646,
84.6583

■ 68.5301, 73.2646,
84.6583

444.7192,
471.9314, 530.6118

■ 50.6044, 54.1923,
63.0106

116.1479,
123.8528, 141.7656

■ 36.1136, 38.7555,
45.4087

146.5707,
156.1375, 178.0622

■ 24.6925, 26.5695,
31.4342

181.8899,
193.5951, 220.0789

■ 15.9756, 17.2502,
20.6685

222.4708,
236.6101, 268.2341

■ 9.5976, 10.4130,
12.6930

268.6789,
285.5669, 322.9465

■ 5.1932, 5.6737,
7.0892

320.8794,

■ 2.3970, 2.6477,

340.8497, 384.6346

3.4387

379.4377,
402.8431, 453.7168

■ 0.8436, 0.9507,
1.3228

■ 0.0000, 0.0000,
0.0803

■ 68.5301, 73.2646,
84.6583

■ 68.5301, 73.2646,
84.6583

■ 60.3071, 66.0519,
83.7006

■ 77.7889, 81.1519,
85.6938

■ 53.0733, 59.4819,
82.8138

■ 86.3262, 88.8034,
86.7208

■ 46.7881, 53.5339,
81.9970

■ 88.6101, 93.3712,
87.4821

■ 41.4051, 48.1822,
81.2477

■ 90.9894, 98.1299,
88.2752

■ 36.8739, 43.3988,
80.5632

■ 91.1431, 98.4372,
88.3264

■ 33.1390, 39.1533,
79.9406

■ 30.1373, 35.4112,
79.3765

■ 27.7958, 32.1327,
78.8671

■ 26.0219, 29.2681,
78.4077

Harmonies

Analogous

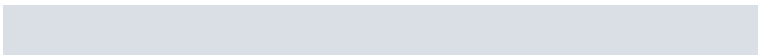
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.8525, 73.2646, 82.3558



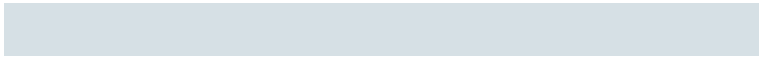
68.5301, 73.2646, 84.6583



69.5093, 73.2646, 85.6507

Triad

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



68.5301, 73.2646, 84.6583



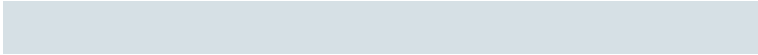
71.6591, 73.2646, 80.1357



68.7472, 73.2646, 74.7312

Complementary

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



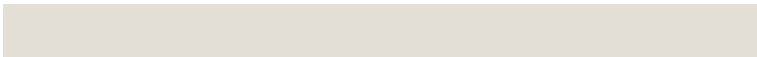
68.5301, 73.2646, 84.6583



69.7825, 72.1756, 73.8730

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.



69.7624, 73.2646, 74.1699



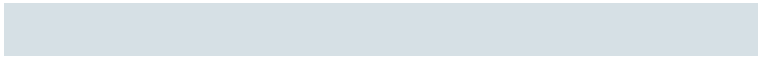
68.5301, 73.2646, 84.6583



71.4501, 73.2646, 77.2442

Square

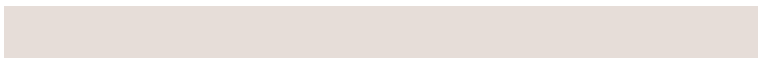
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.5301, 73.2646, 84.6583



71.3215, 73.2646, 82.9988



70.7533, 73.2646, 75.0788



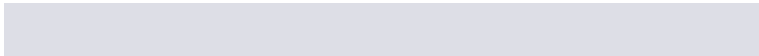
67.9769, 73.2646, 76.6313

Rectangle

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



68.5301, 73.2646, 84.6583



70.2038, 73.2646, 85.4180



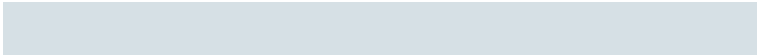
70.7533, 73.2646, 75.0788



69.0709, 73.2646, 74.3818

Sweetspot

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



68.5322, 73.2677, 84.6599



92.6589, 97.9664, 108.6335



68.5054, 75.4373, 77.7969



19.8579, 20.9902, 23.2548



0.0000, 0.0000, 0.0000



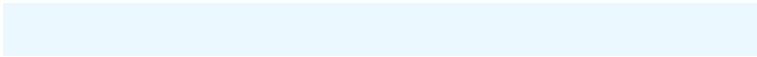
20.3446, 21.4041, 23.3091

Same Dimension

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



68.5322, 73.2677, 84.6599



85.8094, 92.0749, 107.8573



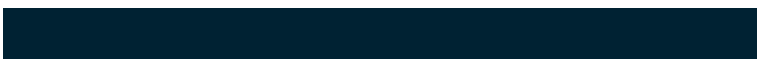
66.6241, 69.4515, 84.0239



14.3818, 15.4850, 18.3752



14.6879, 16.4378, 44.7819



1.1699, 1.3837, 3.3374

Inverse Universe

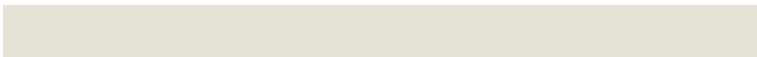
The Inverse Universe completely reimagines the original color for something new.



69.8159, 70.1345, 80.3822



87.8090, 87.2379, 101.1841



71.7163, 76.0431, 74.5175



14.7803, 14.5293, 17.0435



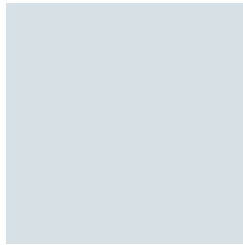
21.8073, 10.8571, 18.4118



1.6541, 0.8194, 1.5852

Previews

White Background



This preview shows how the XYZ color 68.5301, 73.2646, 84.6583 looks on a white background.

Color Contrast Check

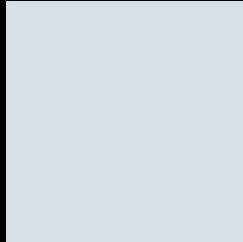
Large Text (above 18pt) WCAG AA × Fail

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 68.5301, 73.2646, 84.6583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

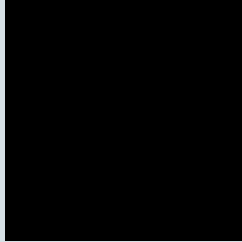
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

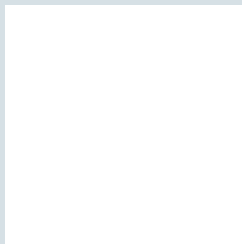
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.5301, 73.2646, 84.6583

Background



This preview shows how black text looks on a background with the XYZ color 68.5301, 73.2646, 84.6583.

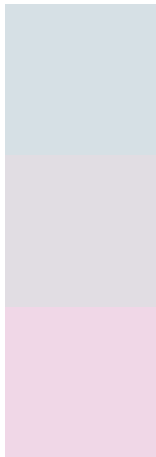


This preview shows how white text looks on a background with the XYZ color 68.5301, 73.2646,

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

68.5301, 73.2646, 84.6583

Protanopia

70.7729, 73.2665, 83.0848

Deuteranopia

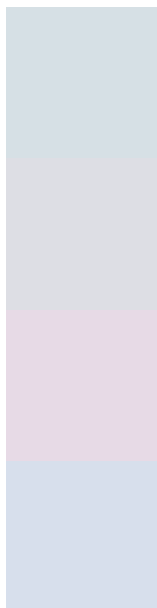
74.6594, 72.8957, 85.7366



Tritanopia

70.1684, 73.1328, 92.8558

Trichromacy



Original Color

68.5301, 73.2646, 84.6583

Protanomaly

69.9437, 73.2161, 83.8445

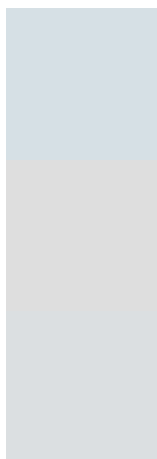
Deuteranomaly

72.3093, 72.8449, 85.1123

Tritanomaly

69.5523, 73.2786, 89.8353

Monochromacy



Original Color

68.5301, 73.2646, 84.6583

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.1917, 73.2717, 81.7302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5301, 73.2646, 84.6583 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(214, 224, 229) looks like.

```
.text, #text, p{  
    color:rgb(214, 224, 229)  
}
```

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(214, 224, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 224, 229) }
```

Border

The CSS property to change the border of an element to XYZ 68.5301, 73.2646, 84.6583 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(214, 224, 229) }
```


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

```
.border{ border-color:rgb(214, 224, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 224, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 224, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 224, 229);  
box-shadow:4px 4px 4px 4px rgb(214, 224,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5301, 73.2646, 84.6583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 224, 229) }
```

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

```
.background{ background-color: rgb(214,  
224, 229) }
```

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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