

Converting Colors

XYZ(68.3759, 74.8050, 90.7217)

Have a look what the booklet for
XYZ(68.3759, 74.8050, 90.7217)
contains.

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Color

**XYZ(68.2063, 74.5804,
90.9214)**

Conversions

Conversions Part 1

Format	Color
Hex	CDE4ED
RGB	205, 228, 237
RGB Percent	80%, 89%, 93%
CMY	0.1961, 0.1059, 0.0706
CMYK	0.14, 0.04, 0.00, 0.07
HSL	197°, 47%, 87%
HSV	197°, 14%, 93%
XYZ	68.2063, 74.5804, 90.9214
YIQ	222.1490, -16.5970, -2.0770

Conversions

Conversions Part 2

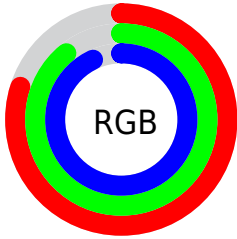
Format	Color
R _Y B	205, 218, 237
Decimal	13493485
CIE Lab	89.20, -5.79, -6.96
CIE LCh	89, 9.055, 230.264
Yxy	74.5804, 0.2918, 0.3191
Android (android.graphics.Color)	4291683565 (0xFFCDE4ED)
YUV	222.1490, 7.3215, -15.0397
Hunter-Lab	86.3599, -10.1522, -1.9697

Details

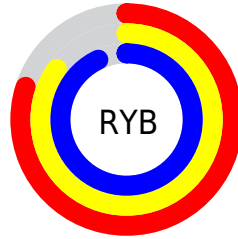
The XYZ color **68.2063, 74.5804, 90.9214** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.9915, 70.5051, 67.6788**, and the grayscale version is **69.4965, 73.1157, 79.6230**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0466, 39.8026, 49.4989** is the 20% darker color. If you saturate the color by 10%, you get **60.3600, 67.8684, 90.0406**, and if you desaturate by 10%, it is **77.1179, 81.9504, 91.8755**.

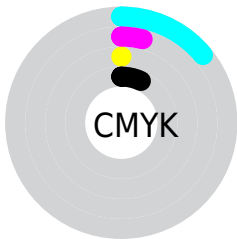
Distribution



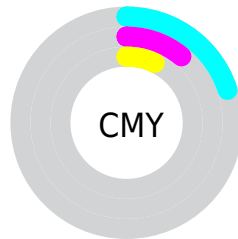
- Red (80%)
- Green (89%)
- Blue (93%)



- Red (80%)
- Yellow (85%)
- Blue (93%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2063, 74.5804, 90.9214 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 68.2063, 74.5804, 90.9214 by changing the saturation by 10% instead.

■ 68.2063, 74.5804,
90.9214

■ 68.2063, 74.5804,
90.9214

443.5919,
476.4741, 551.6708

■ 50.3399, 55.2692,
68.1671

115.6875,
125.7182, 150.5643

■ 35.9024, 39.6173,
49.5661

146.0330,
158.3136, 188.2899

■ 24.5286, 27.2403,
34.7000

181.2689,
196.1059, 231.8431

■ 15.8531, 17.7538,
23.1502

221.7606,
239.4795, 281.6424

■ 9.5104, 10.7733,
14.4981

267.8733,
288.8187, 338.1062

■ 5.1353, 5.9146,
8.3252

319.9726,

■ 2.3625, 2.7932,

344.5079, 401.6532

4.2130

378.4236,
406.9316, 472.7019

■ 0.8263, 1.0248,
1.7429

■ 0.0000, 0.0000,
0.3899

■ 68.2063, 74.5804,
90.9214

■ 68.2063, 74.5804,
90.9214

■ 60.3600, 67.8684,
90.0406

■ 77.1179, 81.9504,
91.8755

■ 53.5273, 61.7806,
89.2256

■ 87.1306, 89.9922,
92.8999

■ 47.6617, 56.2940,
88.4758

■ 90.0921, 94.5061,
93.6151

■ 42.7106, 51.3801,
87.7882

■ 92.1773, 98.6765,
94.3102

■ 38.6158, 47.0077,
87.1601

■ 92.2863, 98.8945,
94.3465

■ 35.3122, 43.1421,
86.5881

■ 32.7245, 39.7431,
86.0684

■ 30.7614, 36.7624,
85.5965

■ 29.7303, 35.0026,
85.3112

Harmonies

Analogous

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



66.9769, 74.5804, 85.4908



68.2063, 74.5804, 90.9214



70.1707, 74.5804, 93.7915

Triad

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



68.2063, 74.5804, 90.9214



75.1547, 74.5804, 83.2795



69.4258, 74.5804, 70.3222

Complementary

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



68.2063, 74.5804, 90.9214



69.9915, 70.5051, 67.6788

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.



71.6070, 74.5804, 69.7988



68.2063, 74.5804, 90.9214



74.9453, 74.5804, 77.0656

Square

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



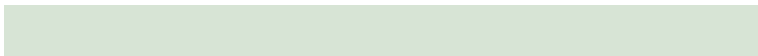
68.2063, 74.5804, 90.9214



74.2024, 74.5804, 89.2306



73.6359, 74.5804, 72.2074



67.6707, 74.5804, 73.6763

Rectangle

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



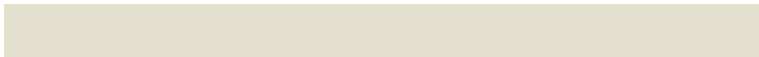
68.2063, 74.5804, 90.9214



71.6458, 74.5804, 93.7701



73.6359, 74.5804, 72.2074



70.1325, 74.5804, 69.8164

Sweetspot

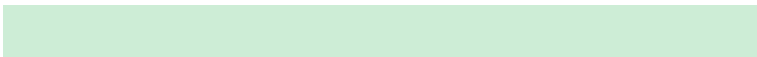
The Sweet Spot groups the original color and five complimentary colors.



68.2085, 74.5835, 90.9231



90.4884, 96.3005, 108.4263



67.5404, 78.3800, 74.8767



19.1897, 20.4664, 23.1890



0.0000, 0.0000, 0.0000



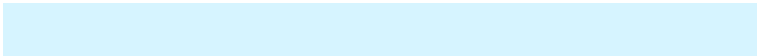
20.3446, 21.4041, 23.3091

Same Dimension

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



68.2085, 74.5835, 90.9231



78.0492, 85.9646, 107.0869



64.1245, 66.4156, 89.5617



15.1390, 16.3644, 19.2830



16.3480, 19.3430, 46.6149



1.3644, 1.6802, 3.6873

Inverse Universe

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



70.7617, 67.2701, 82.6573



81.5949, 75.9575, 95.5744



74.1129, 78.7478, 69.0526



15.5237, 15.2373, 18.0431



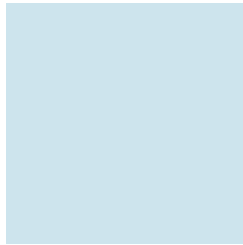
23.1070, 11.4455, 22.1626



1.8552, 0.9150, 1.9547

Previews

White Background



This preview shows how the XYZ color 68.2063, 74.5804, 90.9214 looks on a white background.

Color Contrast Check

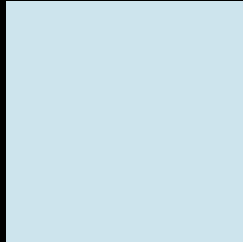
Large Text (above 18pt) WCAG AA × Fail

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 68.2063, 74.5804, 90.9214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

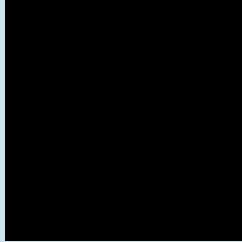
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.2063, 74.5804, 90.9214

Background



This preview shows how black text looks on a background with the XYZ color 68.2063, 74.5804, 90.9214.

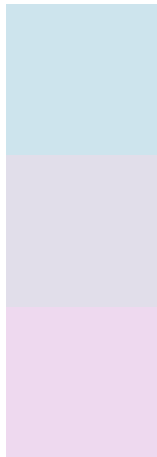


This preview shows how white text looks on a background with the XYZ color 68.2063, 74.5804,

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

68.2063, 74.5804, 90.9214

Protanopia

72.0239, 74.1906, 88.3661

Deuteranopia

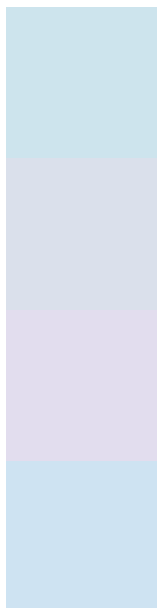
75.6527, 74.0348, 91.9642



Tritanopia

69.4041, 74.6526, 97.1376

Trichromacy



Original Color

68.2063, 74.5804, 90.9214

Protanomaly

70.5645, 74.2149, 89.2030

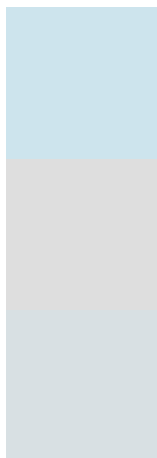
Deuteranomaly

72.6531, 74.0547, 91.3537

Tritanomaly

68.9497, 74.4708, 94.7447

Monochromacy



Original Color

68.2063, 74.5804, 90.9214

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.8397, 73.4563, 83.2233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2063, 74.5804, 90.9214 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(205, 228, 237)` looks like.

```
.text, #text, p{  
    color:rgb(205, 228, 237)  
}
```

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(205, 228, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 228, 237) }
```

Border

The CSS property to change the border of an element to XYZ 68.2063, 74.5804, 90.9214 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(205, 228, 237) }
```


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

```
.border{ border-color:rgb(205, 228, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 228, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 228, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 228, 237);  
box-shadow:4px 4px 4px 4px rgb(205, 228,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2063, 74.5804, 90.9214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 228, 237) }
```

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

```
.background{ background-color: rgb(205,  
228, 237) }
```

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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