

Converting Colors

XYZ(68.5331, 74.2233, 87.9727)

Have a look what the booklet for
XYZ(68.5331, 74.2233, 87.9727)
contains.

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Color

**XYZ(68.7554, 74.5230,
87.8514)**

Conversions

Conversions Part 1

Format	Color
Hex	D2E3E9
RGB	210, 227, 233
RGB Percent	82%, 89%, 91%
CMY	0.1765, 0.1098, 0.0863
CMYK	0.10, 0.03, 0.00, 0.09
HSL	196°, 34%, 87%
HSV	196°, 10%, 91%
XYZ	68.7554, 74.5230, 87.8514
YIQ	222.6010, -12.0580, -1.7380

Conversions

Conversions Part 2

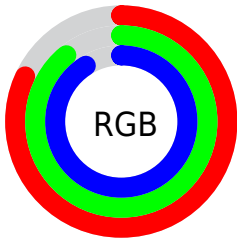
Format	Color
R _Y B	210, 220, 233
Decimal	13820905
CIE Lab	89.17, -4.47, -4.87
CIE LCh	89, 6.610, 227.401
Yxy	74.5230, 0.2975, 0.3224
Android (android.graphics.Color)	4292010985 (0xFFD2E3E9)
YUV	222.6010, 5.1267, -11.0511
Hunter-Lab	86.3267, -8.9044, 0.0915

Details

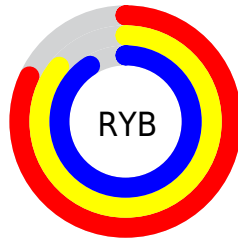
The XYZ color **68.7554, 74.5230, 87.8514** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.7934, 71.0881, 71.0169**, and the grayscale version is **69.8289, 73.4655, 80.0039**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2059, 39.6479, 47.3395** is the 20% darker color. If you saturate the color by 10%, you get **60.9668, 68.0865, 87.0207**, and if you desaturate by 10%, it is **77.5727, 81.5809, 88.7501**.

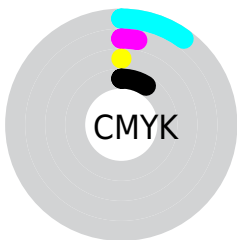
Distribution



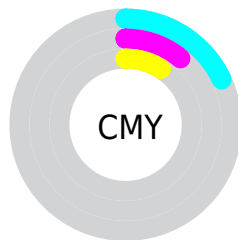
- Red (82%)
- Green (89%)
- Blue (91%)



- Red (82%)
- Yellow (86%)
- Blue (91%)



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



- Cyan (18%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7554, 74.5230, 87.8514 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 68.7554, 74.5230, 87.8514 by changing the saturation by 10% instead.

■ 68.7554, 74.5230,
87.8514

■ 68.7554, 74.5230,
87.8514

445.5027,
476.2765, 541.4052

■ 50.7884, 55.2222,
65.6364

116.4681,
125.6369, 146.2596

■ 36.2606, 39.5797,
47.5227

146.9446,
158.2188, 183.2898

■ 24.8066, 27.2110,
33.0917

182.3217,
195.9966, 226.0955

■ 16.0610, 17.7317,
21.9250

222.9646,
239.3545, 275.0952

■ 9.6584, 10.7576,
13.6040

269.2388,
288.6771, 330.7075

■ 5.2336, 5.9040,
7.7102

321.5097,

■ 2.4211, 2.7868,

344.3487, 393.3509

3.8250

380.1425,
406.7537, 463.4440

■ 0.8557, 1.0215,
1.5298

■ 0.0000, 0.0000,
0.2400

■ 68.7554, 74.5230,
87.8514

■ 68.7554, 74.5230,
87.8514

■ 60.9668, 68.0865,
87.0207

■ 77.5727, 81.5809,
88.7501

■ 54.1584, 62.2395,
86.2509

■ 86.8601, 88.9670,
89.6863

■ 48.2871, 56.9608,
85.5415

■ 88.6702, 92.5872,
90.2897

■ 43.3041, 52.2243,
84.8899

■ 90.5406, 96.3281,
90.9132

■ 39.1558, 48.0016,
84.2935

■ 91.7082, 98.6633,
91.3024

■ 35.7826, 44.2610,
83.7493

■ 33.1165, 40.9664,
83.2539

■ 31.0768, 38.0752,
82.8033

■ 29.5276, 35.5164,
82.3911

Harmonies

Analogous

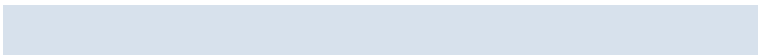
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.9163, 74.5230, 83.8256



68.7554, 74.5230, 87.8514



70.1582, 74.5230, 90.1142

Triad

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



68.7554, 74.5230, 87.8514



73.8988, 74.5230, 83.0938



69.9093, 74.5230, 72.9668

Complementary

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



68.7554, 74.5230, 87.8514



69.7934, 71.0881, 71.0169

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.



71.5098, 74.5230, 72.7877



68.7554, 74.5230, 87.8514



73.8297, 74.5230, 78.5181

Square

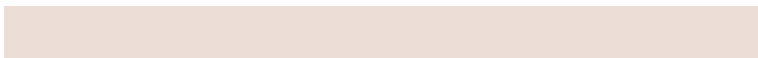
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7554, 74.5230, 87.8514



73.1371, 74.5230, 87.2982



72.9497, 74.5230, 74.7849



68.5756, 74.5230, 75.2839

Rectangle

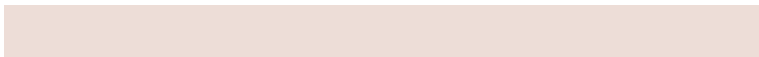
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



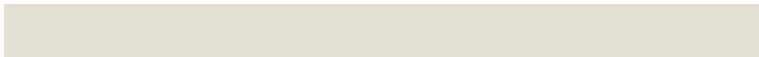
68.7554, 74.5230, 87.8514



71.2317, 74.5230, 90.2641



72.9497, 74.5230, 74.7849



70.4335, 74.5230, 72.6578

Sweetspot

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



68.7576, 74.5261, 87.8531



91.6583, 97.3119, 108.5599



68.0808, 76.9257, 76.0576



19.4289, 20.6775, 23.2171



0.0000, 0.0000, 0.0000



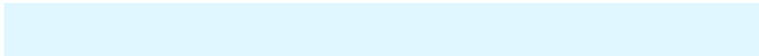
20.3446, 21.4041, 23.3091

Same Dimension

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



68.7576, 74.5261, 87.8531



82.1821, 89.6662, 107.5836



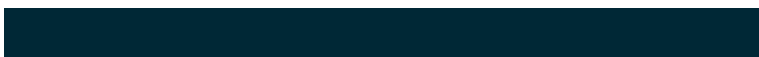
65.7794, 68.5699, 86.8603



15.1661, 16.4185, 19.2920



16.8495, 20.3459, 46.7821



1.4003, 1.7521, 3.6993

Inverse Universe

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



70.5177, 68.9644, 82.2715



84.7952, 81.5033, 99.2759



72.7759, 77.0531, 72.0110



15.5374, 15.2428, 18.1151



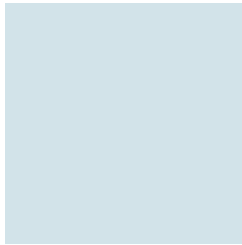
23.3601, 11.5467, 23.4955



1.8733, 0.9223, 2.0502

Previews

White Background



This preview shows how the XYZ color 68.7554, 74.5230, 87.8514 looks on a white background.

Color Contrast Check

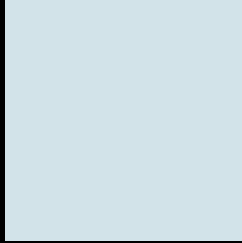
Large Text (above 18pt) WCAG AA × Fail

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 68.7554, 74.5230, 87.8514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

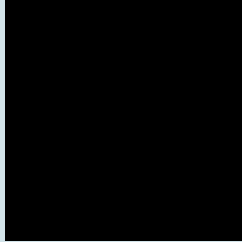
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

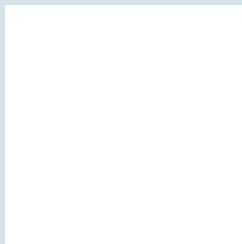
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7554, 74.5230, 87.8514

Background



This preview shows how black text looks on a background with the XYZ color 68.7554, 74.5230, 87.8514.

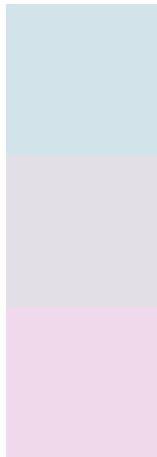


This preview shows how white text looks on a background with the XYZ color 68.7554, 74.5230,

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

68.7554, 74.5230, 87.8514

Protanopia

72.0346, 74.6573, 85.4766

Deuteranopia

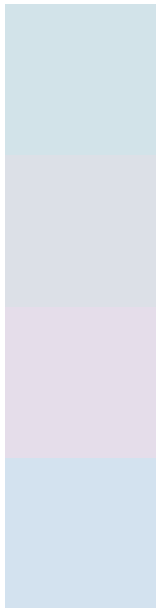
75.7434, 74.1491, 88.9174



Tritanopia

70.2543, 74.3185, 95.4361

Trichromacy



Original Color

68.7554, 74.5230, 87.8514

Protanomaly

70.5947, 74.2965, 86.2212

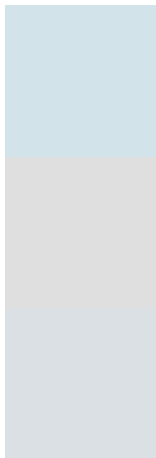
Deuteranomaly

73.0208, 74.3114, 88.3368

Tritanomaly

69.6403, 74.4736, 92.3658

Monochromacy



Original Color

68.7554, 74.5230, 87.8514

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.4342, 73.7628, 83.2511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7554, 74.5230, 87.8514 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(210, 227, 233)` looks like.

```
.text, #text, p{  
    color:rgb(210, 227, 233)  
}
```

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(210, 227, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 227, 233) }
```

Border

The CSS property to change the border of an element to XYZ 68.7554, 74.5230, 87.8514 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(210, 227, 233) }
```


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

```
.border{ border-color:rgb(210, 227, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 227, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 227, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 227, 233);  
box-shadow:4px 4px 4px 4px rgb(210, 227,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7554, 74.5230, 87.8514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 227, 233) }
```

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

```
.background{ background-color: rgb(210,  
227, 233) }
```

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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