

Converting Colors

XYZ(69.5824, 75.0841, 86.4460)

Have a look what the booklet for
XYZ(69.5824, 75.0841, 86.4460)
contains.

XYZ(69.6244, 75.0038, 86.4089)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.6244, 75.0038,
86.4089)**

Conversions

Conversions Part 1

Format	Color
Hex	D6E3E7
RGB	214, 227, 231
RGB Percent	84%, 89%, 91%
CMY	0.1608, 0.1098, 0.0941
CMYK	0.07, 0.02, 0.00, 0.09
HSL	194°, 26%, 87%
HSV	194°, 7%, 91%
XYZ	69.6244, 75.0038, 86.4089
YIQ	223.5690, -9.0320, -1.5120

Conversions

Conversions Part 2

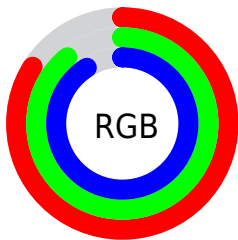
Format	Color
R _Y B	214, 221, 231
Decimal	14083047
CIE Lab	89.39, -3.56, -3.45
CIE LCh	89, 4.961, 224.086
Yxy	75.0038, 0.3014, 0.3246
Android (android.graphics.Color)	4292273127 (0xFFD6E3E7)
YUV	223.5690, 3.6635, -8.3920
Hunter-Lab	86.6047, -8.0563, 1.4674

Details

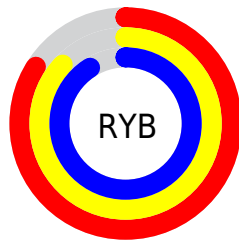
The XYZ color **69.6244, 75.0038, 86.4089** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.1643, 71.9862, 73.8161**, and the grayscale version is **70.5251, 74.1979, 80.8015**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.7885, 39.9711, 46.3337** is the 20% darker color. If you saturate the color by 10%, you get **61.8935, 68.8500, 85.6297**, and if you desaturate by 10%, it is **78.3625, 81.7505, 87.2518**.

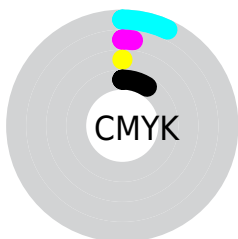
Distribution



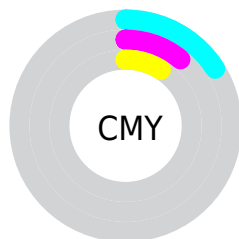
- Red (84%)
- Green (89%)
- Blue (91%)



- Red (84%)
- Yellow (87%)
- Blue (91%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



- Cyan (16%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6244, 75.0038, 86.4089 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 69.6244, 75.0038, 86.4089 by changing the saturation by 10% instead.

■ 69.6244, 75.0038,
86.4089

■ 69.6244, 75.0038,
86.4089

448.5171,
477.9306, 536.5442

■ 51.4989, 55.6160,
64.4493

117.7022,
126.3177, 144.2316

■ 36.8284, 39.8951,
46.5662

148.3851,
159.0127, 180.9317

■ 25.2478, 27.4568,
32.3410

183.9846,
196.9121, 223.3825

■ 16.3915, 17.9166,
21.3551

224.8659,
240.4004, 272.0024

■ 9.8942, 10.8901,
13.1900

271.3945,
289.8621, 327.2100

■ 5.3906, 5.9930,
7.4273

323.9356,

■ 2.5153, 2.8408,

345.6814, 389.4238

3.6483

382.8547,
408.2428, 459.0623

■ 0.9030, 1.0492,
1.4344

■ 0.0000, 0.0000,
0.1684

■ 69.6244, 75.0038,
86.4089

■ 69.6244, 75.0038,
86.4089

■ 61.8935, 68.8500,
85.6297

■ 78.3625, 81.7505,
87.2518

■ 55.1230, 63.2582,
84.9072

■ 86.1996, 88.1008,
88.0644

■ 49.2716, 58.2085,
84.2409

■ 87.8035, 91.3086,
88.5991

■ 44.2927, 53.6762,
83.6285

■ 89.4555, 94.6126,
89.1497

■ 40.1353, 49.6343,
83.0675

■ 91.1560, 98.0136,
89.7166

■ 36.7429, 46.0532,
82.5551

■ 91.4240, 98.5496,
89.8059

■ 34.0514, 42.8990,
82.0881

■ 31.9857, 40.1324,
81.6630

■ 30.4466, 37.7015,
81.2749

Harmonies

Analogous

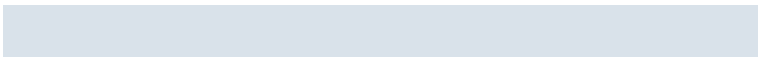
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.0475, 75.0038, 83.3051



69.6244, 75.0038, 86.4089



70.6504, 75.0038, 88.2691

Triad

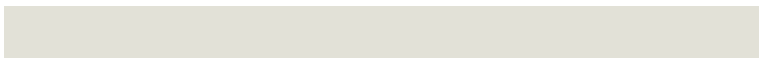
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.6244, 75.0038, 86.4089



73.5585, 75.0038, 83.5142



70.7220, 75.0038, 75.3491

Complementary

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



69.6244, 75.0038, 86.4089



70.1643, 71.9862, 73.8161

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.



71.9312, 75.0038, 75.4014



69.6244, 75.0038, 86.4089



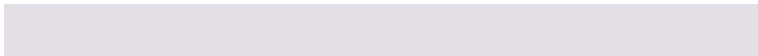
73.5782, 75.0038, 80.0493

Square

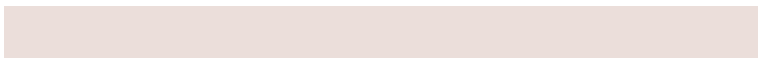
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.6244, 75.0038, 86.4089



72.9261, 75.0038, 86.5657



72.9796, 75.0038, 77.1007



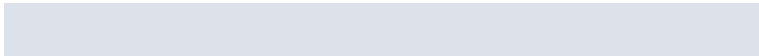
69.6763, 75.0038, 76.9555

Rectangle

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



69.6244, 75.0038, 86.4089



71.4554, 75.0038, 88.5214



72.9796, 75.0038, 77.1007



71.1226, 75.0038, 75.1747

Sweetspot

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



69.6266, 75.0070, 86.4106



92.8172, 98.2829, 108.6863



68.9591, 76.5094, 77.4412



19.8901, 21.0546, 23.2656



0.0000, 0.0000, 0.0000



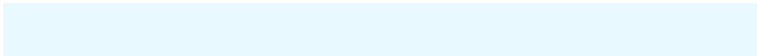
20.3446, 21.4041, 23.3091

Same Dimension

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



69.6266, 75.0070, 86.4106



85.4078, 92.5100, 107.9625



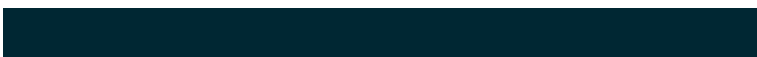
67.3664, 70.4867, 85.6572



14.5052, 15.7318, 18.4164



16.9661, 20.9944, 45.5413



1.3234, 1.6907, 3.3886

Inverse Universe

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



70.8683, 70.6295, 82.5744



87.3041, 85.8787, 102.0927



72.4172, 76.4921, 74.5671



14.8426, 14.5542, 17.3715



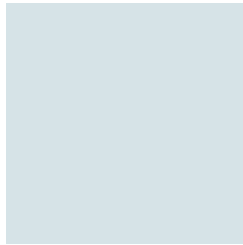
22.9572, 11.3171, 24.4675



1.7316, 0.8504, 1.9932

Previews

White Background



This preview shows how the XYZ color 69.6244, 75.0038, 86.4089 looks on a white background.

Color Contrast Check

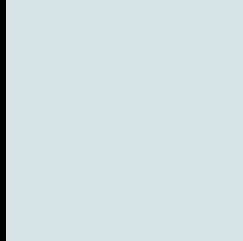
Large Text (above 18pt) WCAG AA × Fail

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 69.6244, 75.0038, 86.4089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

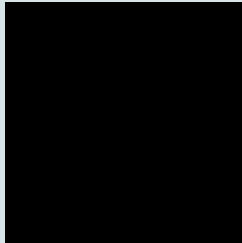
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

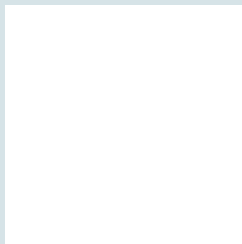
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.6244, 75.0038, 86.4089

Background



This preview shows how black text looks on a background with the XYZ color 69.6244, 75.0038, 86.4089.

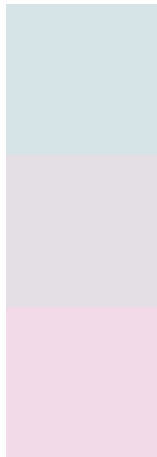


This preview shows how white text looks on a background with the XYZ color 69.6244, 75.0038,

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

69.6244, 75.0038, 86.4089

Protanopia

72.2091, 74.7634, 84.7537

Deuteranopia

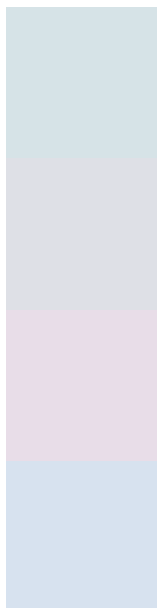
76.3973, 74.9032, 87.5220



Tritanopia

71.4218, 74.9204, 95.4908

Trichromacy



Original Color

69.6244, 75.0038, 86.4089

Protanomaly

71.0628, 74.5541, 85.5079

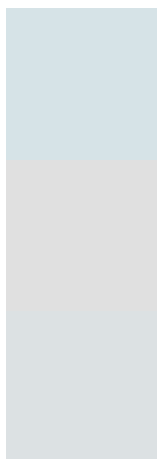
Deuteranomaly

73.7007, 74.6949, 86.8770

Tritanomaly

70.8007, 75.0718, 92.4201

Monochromacy



Original Color

69.6244, 75.0038, 86.4089

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.3055, 74.6121, 83.3691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6244, 75.0038, 86.4089 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, 227, 231) looks like.

```
.text, #text, p{  
    color:rgb(214, 227, 231)  
}
```

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, 227, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 227, 231) }
```

Border

The CSS property to change the border of an element to XYZ 69.6244, 75.0038, 86.4089 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, 227, 231) }
```


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

```
.border{ border-color:rgb(214, 227, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 227, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 227, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 227, 231); box-shadow:4px 4px 4px 4px rgb(214, 227, 231) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6244, 75.0038, 86.4089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 227, 231) }
```

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

```
.background{ background-color: rgb(214,  
227, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor