

# Converting Colors

XYZ(75.2811, 81.1093, 90.8645)

Have a look what the booklet for  
XYZ(75.2811, 81.1093, 90.8645)  
contains.

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# **Color**

**XYZ(75.2801, 81.1608,  
91.0548)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFEBEC
RGB	223, 235, 236
RGB Percent	87%, 92%, 93%
CMY	0.1255, 0.0784, 0.0745
CMYK	0.06, 0.00, 0.00, 0.07
HSL	185°, 25%, 90%
HSV	185°, 6%, 93%
XYZ	75.2801, 81.1608, 91.0548
YIQ	231.5260, -7.4730, -2.2330

# Conversions

## Conversions Part 2

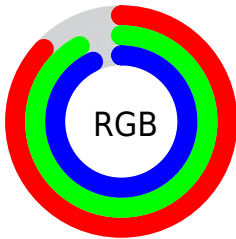
Format	Color
R <sub>Y</sub> B	223, 229, 236
Decimal	14674924
CIE Lab	92.20, -3.78, -1.87
CIE LCh	92, 4.218, 206.321
Yxy	81.1608, 0.3042, 0.3279
Android (android.graphics.Color)	4292865004 (0xFFDFEBEC)
YUV	231.5260, 2.2057, -7.4773
Hunter-Lab	90.0893, -8.4987, 3.1371

# Details

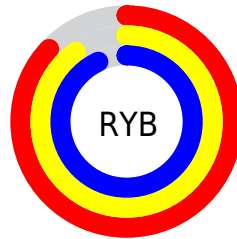
The XYZ color **75.2801, 81.1608, 91.0548** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.5673, 76.4712, 80.6436**, and the grayscale version is **76.3376, 80.3131, 87.4610**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.5068, 43.8603, 49.5110** is the 20% darker color. If you saturate the color by 10%, you get **67.9951, 76.6427, 90.5679**, and if you desaturate by 10%, it is **83.5885, 86.2188, 91.5944**.

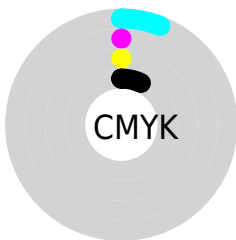
# Distribution



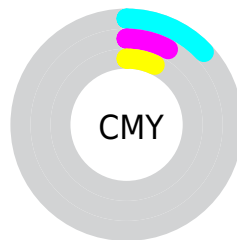
- Red (87%)
- Green (92%)
- Blue (93%)



- Red (87%)
- Yellow (90%)
- Blue (93%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (8%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2801, 81.1608, 91.0548 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 75.2801, 81.1608, 91.0548 by changing the saturation by 10% instead.



■ 75.2801, 81.1608,  
91.0548

■ 75.2801, 81.1608,  
91.0548

467.8621,  
498.8362, 552.1145

■ 56.1374, 60.6740,  
68.2772

125.6946,  
134.9965, 150.7510

■ 40.5505, 43.9622,  
49.6552

157.6970,  
169.1143, 188.5066

■ 28.1541, 30.6408,  
34.7702

194.7167,  
208.5445, 232.0921

■ 18.5829, 20.3255,  
23.2038

237.1191,  
253.6716, 281.9258

■ 11.4715, 12.6318,  
14.5373

285.2695,  
304.8799, 338.4264

■ 6.4545, 7.1755,  
8.3523

339.5332,

■ 3.1667, 3.5721,

362.5538, 402.0123

4.2302

400.2756,  
427.0778, 473.1022

■ 1.2425, 1.4372,  
1.7525

■ 0.1395, 0.2439,  
0.3963

■ 75.2801, 81.1608,  
91.0548

■ 75.2801, 81.1608,  
91.0548

■ 67.9951, 76.6427,  
90.5679

■ 83.5885, 86.2188,  
91.5944

■ 61.6849, 72.6326,  
90.1265

■ 87.1367, 88.8285,  
91.9111

■ 56.3071, 69.1110,  
89.7302

■ 87.6677, 89.8906,  
92.0882

■ 51.8138, 66.0531,  
89.3768

■ 88.2041, 90.9633,  
92.2669

■ 48.1525, 63.4318,  
89.0638

■ 88.7458, 92.0467,  
92.4475

■ 45.2654, 61.2174,  
88.7885

■ 89.2928, 93.1408,  
92.6299

■ 43.0870, 59.3760,  
88.5479

■ 89.8452, 94.2455,  
92.8140

■ 41.5412, 57.8683,  
88.3384

■ 90.4030, 95.3611,  
92.9999

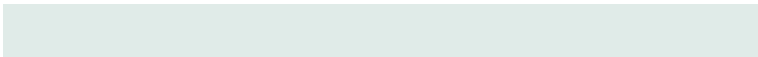
■ 40.5340, 56.6460,  
88.1555

■ 90.9661, 96.4873,  
93.1876

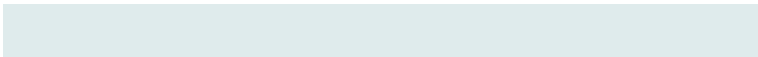
# Harmonies

## Analogous

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



75.0711, 81.1608, 87.9862



75.2801, 81.1608, 91.0548



75.9861, 81.1608, 93.4528

# Triad

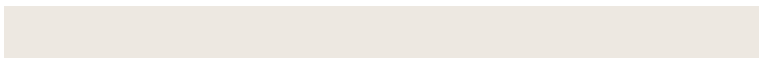
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.2801, 81.1608, 91.0548



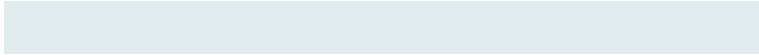
78.8957, 81.1608, 91.7361



77.2753, 81.1608, 82.5225

# Complementary

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



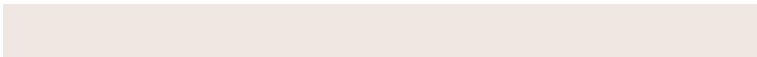
75.2801, 81.1608, 91.0548



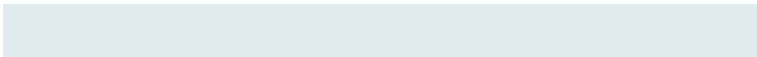
74.5673, 76.4712, 80.6436

# Split Complementary

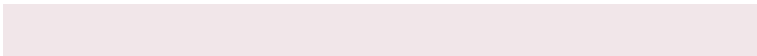
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3074, 81.1608, 83.4756



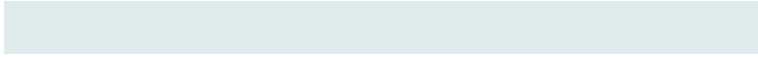
75.2801, 81.1608, 91.0548



79.2485, 81.1608, 88.7555

# Square

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



75.2801, 81.1608, 91.0548



78.0726, 81.1608, 93.8526



79.0321, 81.1608, 85.7391



76.2166, 81.1608, 83.1058

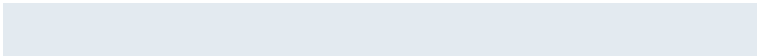


# Rectangle

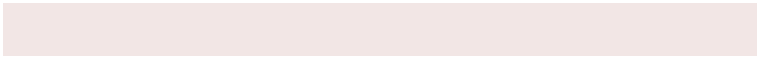
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



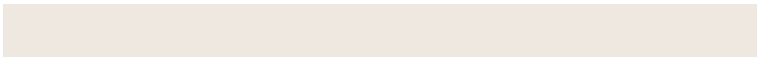
75.2801, 81.1608, 91.0548



76.6470, 81.1608, 94.3232



79.0321, 81.1608, 85.7391



77.6369, 81.1608, 82.6733

# Sweetspot

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



75.2824, 81.1642, 91.0566



93.0740, 98.7964, 108.7718



73.8646, 81.0548, 82.1796



19.9424, 21.1591, 23.2830



0.0000, 0.0000, 0.0000

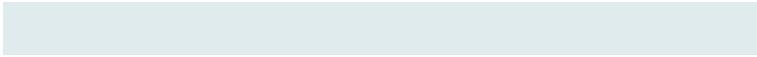


20.3446, 21.4041, 23.3091

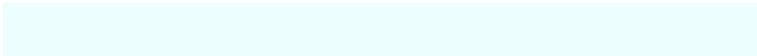


# Same Dimension

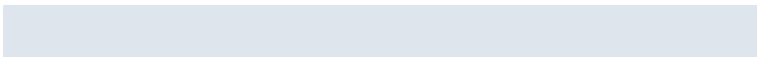
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2824, 81.1642, 91.0566



88.3503, 95.9007, 108.4619



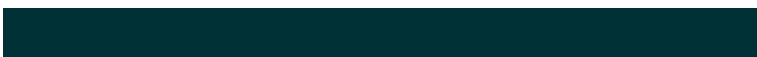
73.4910, 77.5814, 90.4594



15.7152, 17.0994, 19.3945



22.1965, 31.0400, 48.5644



1.7724, 2.4963, 3.8233



# Inverse Universe

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



75.9770, 76.6079, 89.3837



89.3981, 89.0475, 105.9334



76.3116, 79.9598, 81.2251



15.9165, 15.7847, 18.9086



26.0591, 12.6263, 37.7079

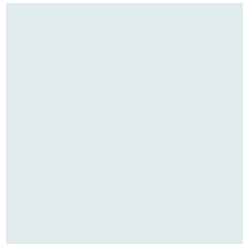


2.0611, 0.9974, 3.0392



# Previews

## White Background



This preview shows how the XYZ color 75.2801, 81.1608, 91.0548 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

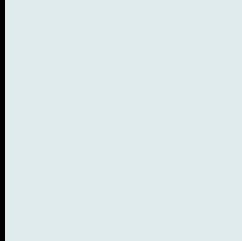
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.2801, 81.1608, 91.0548 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

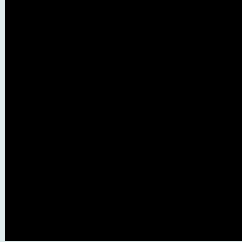
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

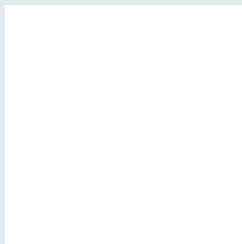
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.2801, 81.1608, 91.0548

## Background



This preview shows how black text looks on a background with the XYZ color 75.2801, 81.1608, 91.0548.



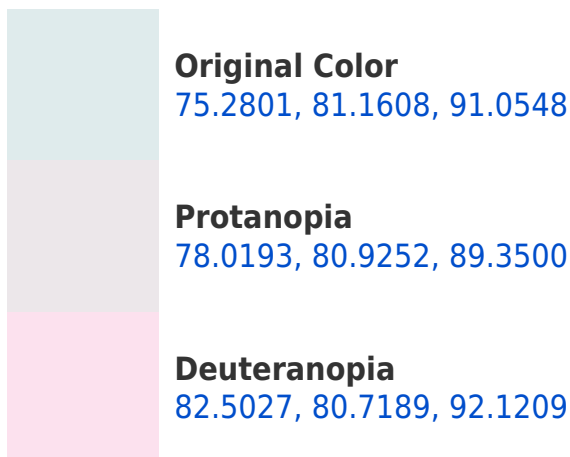
This preview shows how white text looks on a background with the XYZ color 75.2801, 81.1608,

91.0548.

# 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

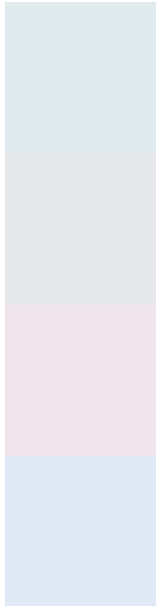




## Tritanopia

77.6028, 81.2504, 102.8596

# Trichromacy



## Original Color

75.2801, 81.1608, 91.0548

## Protanomaly

76.8070, 80.7003, 90.1258

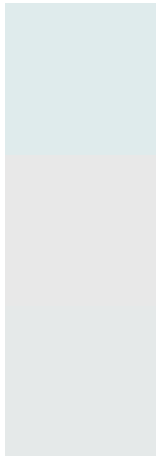
## Deuteranomaly

79.5810, 80.8538, 91.5327

## Tritanomaly

76.7978, 81.3468, 98.8426

# Monochromacy



## Original Color

75.2801, 81.1608, 91.0548

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.1600, 80.8190, 88.6764

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.2801, 81.1608, 91.0548 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(223, 235, 236)` looks like.

```
.text, #text, p{  
    color:rgb(223, 235, 236)  
}
```

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(223, 235, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 235, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 75.2801, 81.1608, 91.0548 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(223, 235, 236) }
```



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

```
.border{ border-color:rgb(223, 235, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 235, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 235, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 235, 236);  
box-shadow:4px 4px 4px 4px rgb(223, 235,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.2801, 81.1608, 91.0548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 235, 236) }
```

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

```
.background{ background-color: rgb(223,  
235, 236) }
```

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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