

Converting Colors

XYZ(70.7990, 75.0489, 89.9265)

Have a look what the booklet for
XYZ(70.7990, 75.0489, 89.9265)
contains.

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Color

**XYZ(70.9519, 75.2006,
90.1325)**

Conversions

Conversions Part 1

Format	Color
Hex	D9E2EC
RGB	217, 226, 236
RGB Percent	85%, 89%, 93%
CMY	0.1490, 0.1137, 0.0745
CMYK	0.08, 0.04, 0.00, 0.07
HSL	212°, 33%, 89%
HSV	212°, 8%, 93%
XYZ	70.9519, 75.2006, 90.1325
YIQ	224.4490, -8.5740, 1.2020

Conversions

Conversions Part 2

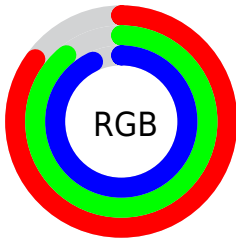
Format	Color
R_{YB}	217, 223, 236
Decimal	14279404
CIE _{Lab}	89.49, -1.11, -5.92
CIE _{LCh}	89, 6.019, 259.336
Yxy	75.2006, 0.3003, 0.3183
Android (android.graphics.Color)	4292469484 (0xFFD9E2EC)
YUV	224.4490, 5.6946, -6.5328
Hunter-Lab	86.7183, -5.7103, -0.9215

Details

The XYZ color **70.9519, 75.2006, 90.1325** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.5857, 77.7799, 76.7286**, and the grayscale version is **71.1395, 74.8443, 81.5054**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7014, 40.1025, 48.9335** is the 20% darker color. If you saturate the color by 10%, you get **61.1780, 65.3318, 88.7439**, and if you desaturate by 10%, it is **81.9778, 86.0819, 91.6528**.

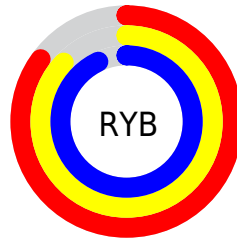
Distribution



Red (85%)

Green (89%)

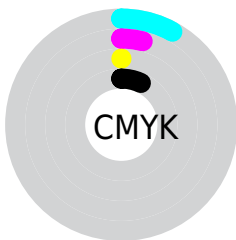
Blue (93%)



Red (85%)

Yellow (87%)

Blue (93%)

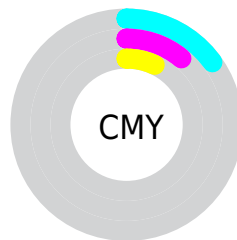


Cyan (8%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (15%)

Magenta (11%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9519, 75.2006, 90.1325 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 70.9519, 75.2006, 90.1325 by changing the saturation by 10% instead.

■ 70.9519, 75.2006,
90.1325

■ 70.9519, 75.2006,
90.1325

453.0997,
478.6068, 549.0430

■ 52.5853, 55.7772,
67.5162

119.5841,
126.5963, 149.4596

■ 37.6980, 40.0244,
49.0400

150.5805,
159.3374, 187.0074

■ 25.9245, 27.5575,
34.2854

186.5175,
197.2865, 230.3695

■ 16.8996, 17.9924,
22.8338

227.7605,
240.8281, 279.9644

■ 10.2578, 10.9445,
14.2667

274.6749,
290.3466, 336.2107

■ 5.6338, 6.0295,
8.1655

327.6260,

■ 2.6622, 2.8631,

346.2262, 399.5269

4.1118

386.9791,
408.8515, 470.3314

■ 0.9778, 1.0607,
1.6869

■ 0.0000, 0.0000,
0.3517

■ 70.9519, 75.2006,
90.1325

■ 70.9519, 75.2006,
90.1325

■ 61.1780, 65.3318,
88.7439

■ 81.9778, 86.0819,
91.6528

■ 52.6020, 56.4338,
87.4785

■ 90.8272, 96.2096,
93.1413

■ 45.1755, 48.4759,
86.3338

■ 92.1405, 98.8362,
93.5790

■ 38.8439, 41.4217,
85.3060

■ 33.5479, 35.2323,
84.3904

■ 29.2219, 29.8649,
83.5824

■ 25.7921, 25.2723,
82.8767

■ 23.1722, 21.4005,
82.2675

■ 21.2445, 18.1786,
81.7472

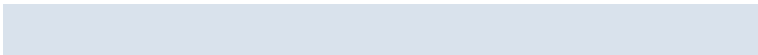
Harmonies

Analogous

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



69.6421, 75.2006, 88.2034



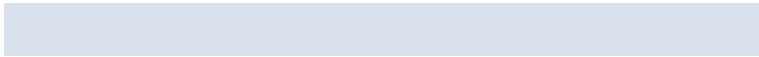
70.9519, 75.2006, 90.1325



72.4199, 75.2006, 89.7938

Triad

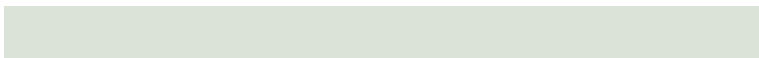
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9519, 75.2006, 90.1325



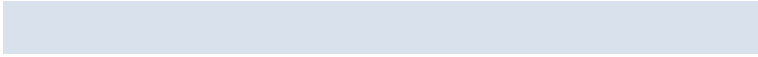
74.1880, 75.2006, 79.2183



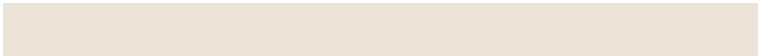
69.3443, 75.2006, 76.6966

Complementary

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



70.9519, 75.2006, 90.1325



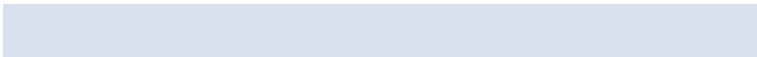
74.5857, 77.7799, 76.7286

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.



70.5402, 75.2006, 74.4467



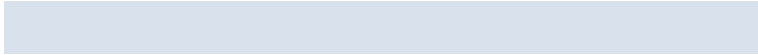
70.9519, 75.2006, 90.1325



73.3416, 75.2006, 75.8676

Square

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



70.9519, 75.2006, 90.1325



74.3020, 75.2006, 83.3943



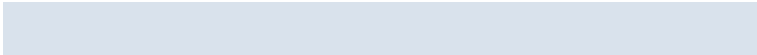
72.0025, 75.2006, 74.1485



68.7225, 75.2006, 80.3854

Rectangle

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



70.9519, 75.2006, 90.1325



73.2903, 75.2006, 88.3308



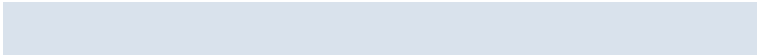
72.0025, 75.2006, 74.1485



69.6917, 75.2006, 75.7525

Sweetspot

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



70.9541, 75.2038, 90.1342



92.3485, 97.3455, 108.5300



72.4517, 80.2798, 84.2185



19.7947, 20.8638, 23.2338



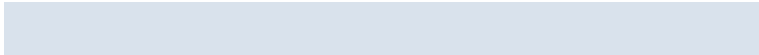
0.0000, 0.0000, 0.0000



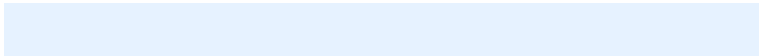
20.3446, 21.4041, 23.3091

Same Dimension

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



70.9541, 75.2038, 90.1342



82.1513, 87.2173, 107.1125



68.6638, 70.4833, 89.3437



14.8199, 15.7263, 19.1766



11.6572, 9.9613, 45.0513



1.0111, 0.9736, 3.5695

Inverse Universe

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



73.1340, 72.9509, 82.1817



85.3624, 83.9616, 95.3843



77.0080, 82.7806, 77.5662



15.3627, 15.1729, 17.1951



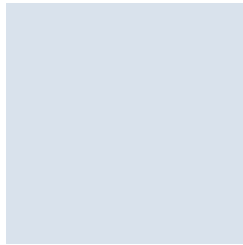
20.7393, 10.4984, 9.6944



1.6768, 0.8437, 1.0156

Previews

White Background



This preview shows how the XYZ color 70.9519, 75.2006, 90.1325 looks on a white background.

Color Contrast Check

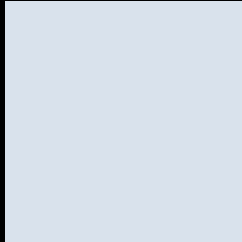
Large Text (above 18pt) WCAG AA × Fail

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 70.9519, 75.2006, 90.1325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

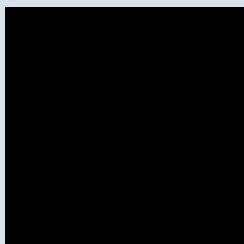
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

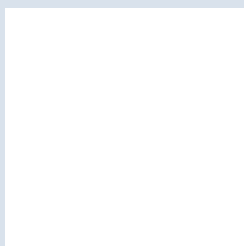
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9519, 75.2006, 90.1325

Background



This preview shows how black text looks on a background with the XYZ color 70.9519, 75.2006, 90.1325.

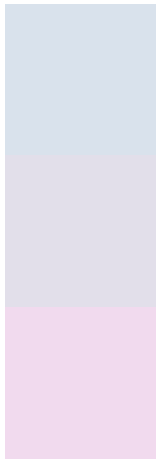


This preview shows how white text looks on a background with the XYZ color 70.9519, 75.2006,

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

70.9519, 75.2006, 90.1325

Protanopia

72.6030, 74.8846, 88.4695

Deuteranopia

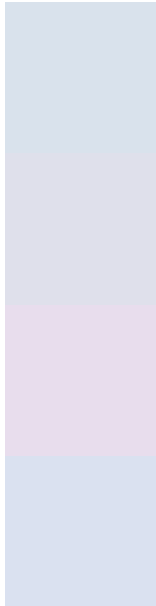
76.7796, 75.0166, 91.3219



Tritanopia

72.0163, 75.2269, 95.5186

Trichromacy



Original Color

70.9519, 75.2006, 90.1325

Protanomaly

72.0825, 74.9974, 89.2741

Deuteranomaly

74.4212, 74.9831, 90.6715

Tritanomaly

71.5668, 75.0471, 93.1516

Monochromacy



Original Color

70.9519, 75.2006, 90.1325

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.7476, 74.8240, 84.1125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9519, 75.2006, 90.1325 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(217, 226, 236) looks like.

```
.text, #text, p{  
    color:rgb(217, 226, 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(217, 226, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 226, 236) }
```

Border

The CSS property to change the border of an element to XYZ 70.9519, 75.2006, 90.1325 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(217, 226, 236) }
```


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

```
.border{ border-color:rgb(217, 226, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 226, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 226, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 226, 236);  
box-shadow:4px 4px 4px 4px rgb(217, 226,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9519, 75.2006, 90.1325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 226, 236) }
```

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

```
.background{ background-color: rgb(217,  
226, 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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