

Converting Colors

XYZ(70.9356, 75.6304, 88.7013)

Have a look what the booklet for
XYZ(70.9356, 75.6304, 88.7013)
contains.

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Color

**XYZ(70.9356, 75.6304,
88.7013)**

Conversions

Conversions Part 1

Format	Color
Hex	D9E3EA
RGB	217, 227, 234
RGB Percent	85%, 89%, 92%
CMY	0.1490, 0.1098, 0.0823
CMYK	0.07, 0.03, 0.00, 0.08
HSL	205°, 29%, 88%
HSV	205°, 7%, 92%
XYZ	70.9356, 75.6304, 88.7013
YIQ	224.8080, -8.2070, 0.0570

Conversions

Conversions Part 2

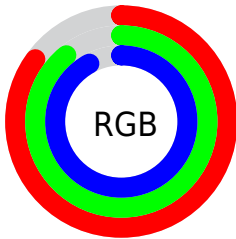
Format	Color
R _Y B	217, 223, 234
Decimal	14279658
CIE Lab	89.69, -2.01, -4.57
CIE LCh	90, 4.994, 246.226
Yxy	75.6304, 0.3015, 0.3215
Android (android.graphics.Color)	4292469738 (0xFFD9E3EA)
YUV	224.8080, 4.5317, -6.8476
Hunter-Lab	86.9657, -6.5924, 0.4028

Details

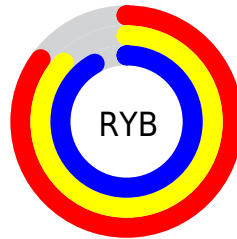
The XYZ color **70.9356, 75.6304, 88.7013** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.1119, 75.8127, 76.4267**, and the grayscale version is **71.4047, 75.1233, 81.8093**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6887, 40.4008, 47.9312** is the 20% darker color. If you saturate the color by 10%, you get **61.9071, 67.1765, 87.5465**, and if you desaturate by 10%, it is **81.1020, 84.8938, 89.9547**.

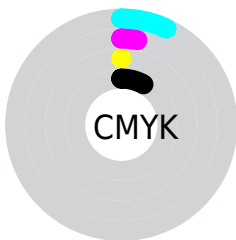
Distribution



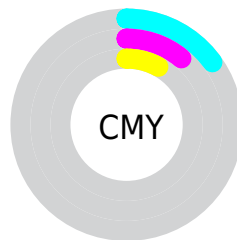
- Red (85%)
- Green (89%)
- Blue (92%)



- Red (85%)
- Yellow (87%)
- Blue (92%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)



- Cyan (15%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9356, 75.6304, 88.7013 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 70.9356, 75.6304, 88.7013 by changing the saturation by 10% instead.

■ 70.9356, 75.6304,
88.7013

■ 70.9356, 75.6304,
88.7013

453.0436,
480.0815, 544.2578

■ 52.5720, 56.1295,
66.3364

119.5610,
127.2043, 147.4528

■ 37.6873, 40.3068,
48.0873

150.5536,
160.0461, 184.6765

■ 25.9162, 27.7778,
33.5356

186.4865,
198.1037, 227.6902

■ 16.8933, 18.1582,
22.2626

227.7251,
241.7614, 276.9125

■ 10.2533, 11.0636,
13.8498

274.6347,
291.4036, 332.7618

■ 5.6308, 6.1097,
7.8787

327.5808,

■ 2.6604, 2.9119,

347.4148, 395.6568

3.9308

386.9286,
410.1793, 466.0160

■ 0.9768, 1.0859,
1.5874

■ 0.0000, 0.0000,
0.2818

■ 70.9356, 75.6304,
88.7013

■ 70.9356, 75.6304,
88.7013

■ 61.9071, 67.1765,
87.5465

■ 81.1020, 84.8938,
89.9547

■ 53.9663, 59.4964,
86.4827

■ 89.1282, 93.2740,
91.1492

■ 47.0687, 52.5657,
85.5084

■ 91.8515, 98.7206,
92.0569

■ 41.1641, 46.3547,
84.6208

■ 36.1979, 40.8315,
83.8165

■ 32.1095, 35.9608,
83.0918

■ 28.8306, 31.7036,
82.4429

■ 26.2815, 28.0143,
81.8652

■ 24.3583, 24.8352,
81.3529

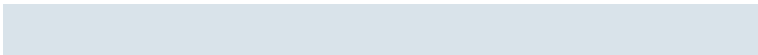
Harmonies

Analogous

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



69.9942, 75.6304, 86.4150



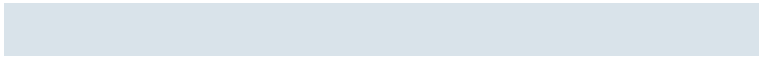
70.9356, 75.6304, 88.7013



72.1411, 75.6304, 89.2642

Triad

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



70.9356, 75.6304, 88.7013



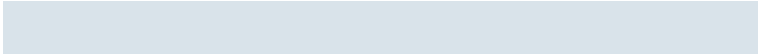
74.2602, 75.6304, 81.6166



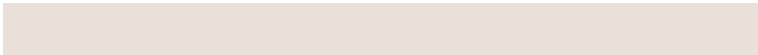
70.4964, 75.6304, 77.0068

Complementary

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



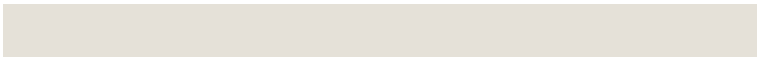
70.9356, 75.6304, 88.7013



73.1119, 75.8127, 76.4267

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.



71.6284, 75.6304, 75.7998



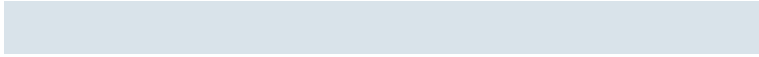
70.9356, 75.6304, 88.7013



73.8084, 75.6304, 78.4120

Square

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



70.9356, 75.6304, 88.7013



74.0697, 75.6304, 85.1083



72.8417, 75.6304, 76.3068



69.7426, 75.6304, 79.6493

Rectangle

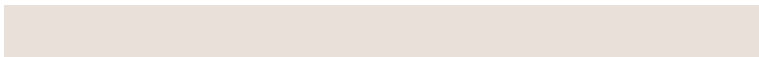
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



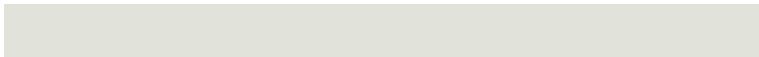
70.9356, 75.6304, 88.7013



72.9342, 75.6304, 88.5727



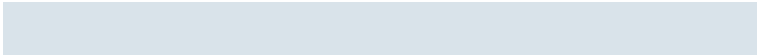
72.8417, 75.6304, 76.3068



70.8448, 75.6304, 76.4232

Sweetspot

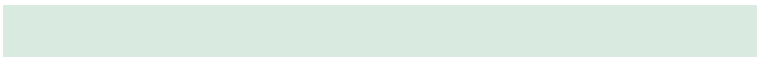
The Sweet Spot groups the original color and five complimentary colors.



70.9378, 75.6336, 88.7030



92.5326, 97.7136, 108.5914



71.4667, 78.9695, 81.8560



19.8322, 20.9388, 23.2463



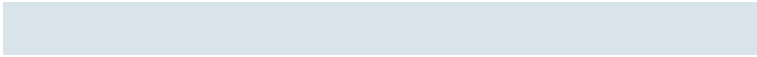
0.0000, 0.0000, 0.0000



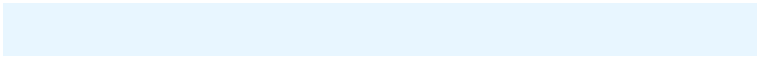
20.3446, 21.4041, 23.3091

Same Dimension

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



70.9378, 75.6336, 88.7030



84.1655, 90.0253, 107.5484



68.7210, 71.2001, 87.9640



14.9679, 16.0222, 19.2260



13.5553, 13.7577, 45.6840



1.1588, 1.2690, 3.6187

Inverse Universe

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



72.6113, 72.6656, 82.8757



86.6770, 85.6279, 98.7905



75.3984, 80.3857, 77.1889



15.4373, 15.2028, 17.5883



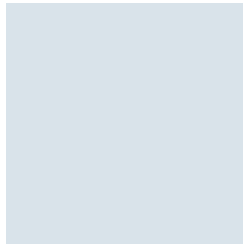
21.6974, 10.8817, 14.7398



1.7514, 0.8735, 1.4082

Previews

White Background



This preview shows how the XYZ color 70.9356, 75.6304, 88.7013 looks on a white background.

Color Contrast Check

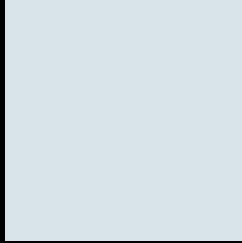
Large Text (above 18pt) WCAG AA × Fail

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 70.9356, 75.6304, 88.7013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

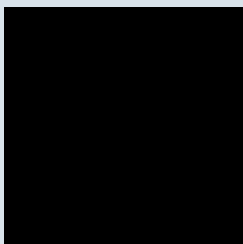
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

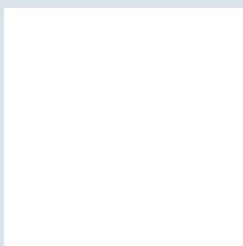
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9356, 75.6304, 88.7013

Background



This preview shows how black text looks on a background with the XYZ color 70.9356, 75.6304, 88.7013.

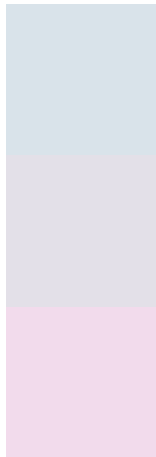


This preview shows how white text looks on a background with the XYZ color 70.9356, 75.6304,

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

70.9356, 75.6304, 88.7013

Protanopia

72.8997, 75.4684, 87.0686

Deuteranopia

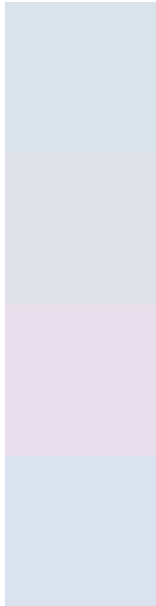
77.0898, 75.5964, 89.8854



Tritanopia

72.5874, 75.9238, 95.6230

Trichromacy



Original Color

70.9356, 75.6304, 88.7013

Protanomaly

72.0646, 75.4216, 87.8504

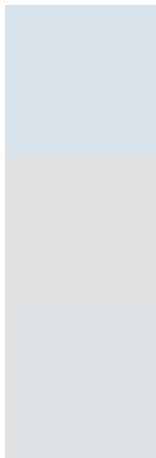
Deuteranomaly

74.7209, 75.5643, 89.2444

Tritanomaly

71.8380, 75.5894, 93.2420

Monochromacy



Original Color

70.9356, 75.6304, 88.7013

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.3241, 75.5237, 84.2171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9356, 75.6304, 88.7013 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, 227, 234) looks like.

```
.text, #text, p{  
    color:rgb(217, 227, 234)  
}
```

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, 227, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 227, 234) }
```

Border

The CSS property to change the border of an element to XYZ 70.9356, 75.6304, 88.7013 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, 227, 234) }
```


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

```
.border{ border-color:rgb(217, 227, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 227, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 227, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 227, 234);  
box-shadow:4px 4px 4px 4px rgb(217, 227,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9356, 75.6304, 88.7013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 227, 234) }
```

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

```
.background{ background-color: rgb(217,  
227, 234) }
```

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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