

Converting Colors

XYZ(72.7914, 76.2940, 90.6232)

Have a look what the booklet for
XYZ(72.7914, 76.2940, 90.6232)
contains.

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Color

**XYZ(72.7681, 76.1368,
90.2175)**

Conversions

Conversions Part 1

Format	Color
Hex	DFE2EC
RGB	223, 226, 236
RGB Percent	87%, 89%, 93%
CMY	0.1255, 0.1137, 0.0745
CMYK	0.06, 0.04, 0.00, 0.07
HSL	226°, 25%, 90%
HSV	226°, 6%, 93%
XYZ	72.7681, 76.1368, 90.2175
YIQ	226.2430, -4.9980, 2.4740

Conversions

Conversions Part 2

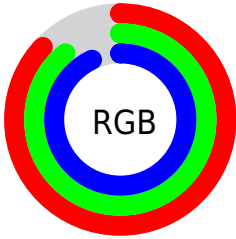
Format	Color
R _Y B	223, 225, 236
Decimal	14672620
CIE Lab	89.92, 0.84, -5.22
CIE LCh	90, 5.290, 279.186
Yxy	76.1368, 0.3043, 0.3184
Android (android.graphics.Color)	4292862700 (0xFFDFE2EC)
YUV	226.2430, 4.8102, -2.8441
Hunter-Lab	87.2564, -3.8374, -0.2226

Details

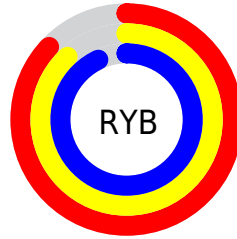
The XYZ color **72.7681, 76.1368, 90.2175** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.0505, 81.4377, 81.4713**, and the grayscale version is **72.4352, 76.2075, 82.9900**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9496, 40.7459, 48.9919** is the 20% darker color. If you saturate the color by 10%, you get **61.3216, 63.2957, 88.3434**, and if you desaturate by 10%, it is **85.7548, 90.5515, 92.3165**.

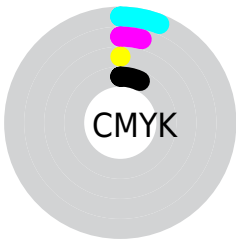
Distribution



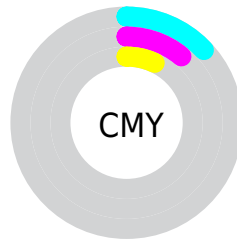
- Red (87%)
- Green (89%)
- Blue (93%)



- Red (87%)
- Yellow (88%)
- Blue (93%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7681, 76.1368, 90.2175 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 72.7681, 76.1368, 90.2175 by changing the saturation by 10% instead.

■ 72.7681, 76.1368,
90.2175

■ 72.7681, 76.1368,
90.2175

459.3269,
481.8159, 549.3265

■ 54.0741, 56.5447,
67.5863

122.1528,
127.9203, 149.5786

■ 38.8918, 40.6398,
49.0967

153.5743,
160.8804, 187.1457

■ 26.8559, 28.0377,
34.3300

189.9689,
199.0653, 230.5284

■ 17.6011, 18.3541,
22.8678

231.7020,
242.8595, 280.1454

■ 10.7619, 11.2045,
14.2916

279.1390,
292.6472, 336.4151

■ 5.9731, 6.2046,
8.1827

332.6453,

■ 2.8692, 2.9699,

348.8129, 399.7562

4.1226

392.5861,
411.7410, 470.5871

■ 1.0850, 1.1160,
1.6928

■ 0.0125, 0.0000,
0.3558

■ 72.7681, 76.1368,
90.2175

■ 72.7681, 76.1368,
90.2175

■ 61.3216, 63.2957,
88.3434

■ 85.7548, 90.5515,
92.3165

■ 51.3509, 51.9646,
86.6818

■ 92.1406, 98.8362,
93.5791

■ 42.7965, 42.0898,
85.2266

■ 35.5926, 33.6106,
83.9697

■ 29.6677, 26.4621,
82.9021

■ 24.9436, 20.5737,
82.0145

■ 21.3331, 15.8681,
81.2966

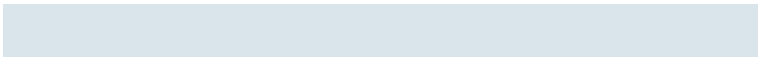
■ 18.7362, 12.2585,
80.7367

■ 17.0330, 9.6440,
80.3218

Harmonies

Analogous

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



71.4755, 76.1368, 89.8184



72.7681, 76.1368, 90.2175



73.9669, 76.1368, 88.6106

Triad

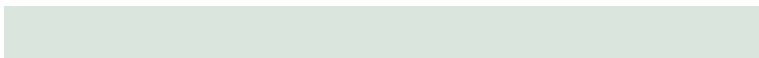
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7681, 76.1368, 90.2175



74.3332, 76.1368, 78.4307



70.0397, 76.1368, 80.3663

Complementary

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



72.7681, 76.1368, 90.2175



77.0505, 81.4377, 81.4713

Split Complementary

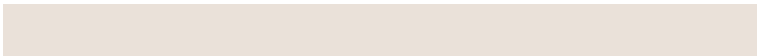
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.7879, 76.1368, 77.4403



72.7681, 76.1368, 90.2175



73.2633, 76.1368, 76.3464

Square

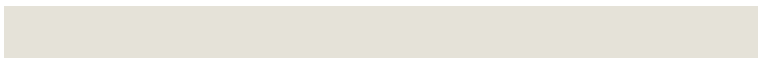
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7681, 76.1368, 90.2175



74.8776, 76.1368, 81.7552



71.9649, 76.1368, 75.9893



69.9107, 76.1368, 84.0555

Rectangle

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



72.7681, 76.1368, 90.2175



74.5478, 76.1368, 86.6456



71.9649, 76.1368, 75.9893



70.2267, 76.1368, 79.2640

Sweetspot

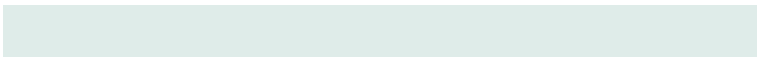
The Sweet Spot groups the original color and five complimentary colors.



72.7703, 76.1400, 90.2192



91.9602, 96.5688, 108.4006



75.1313, 81.5615, 88.8501



19.7156, 20.7057, 23.2074



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.



72.7703, 76.1400, 90.2192



84.5616, 88.3233, 107.1990



73.0398, 75.0771, 89.9998



14.9877, 15.6443, 19.1520



9.1675, 4.9821, 44.2214



0.7914, 0.5342, 3.4963

Inverse Universe

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



74.7089, 76.1007, 82.7066



87.4858, 88.2825, 95.8631



76.7681, 82.5651, 81.7038



15.5493, 15.6378, 16.9747



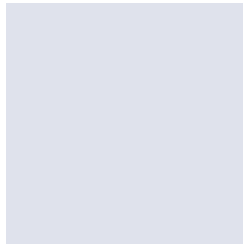
19.4827, 9.9958, 3.0770



1.5659, 0.7993, 0.4316

Previews

White Background



This preview shows how the XYZ color 72.7681, 76.1368, 90.2175 looks on a white background.

Color Contrast Check

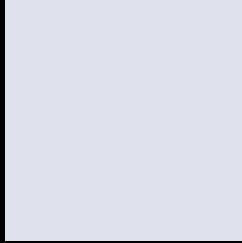
Large Text (above 18pt) WCAG AA × Fail

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 72.7681, 76.1368, 90.2175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

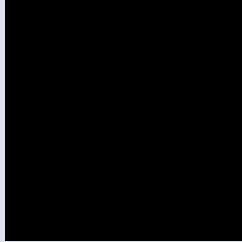
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

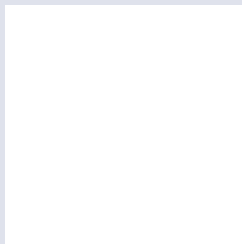
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.7681, 76.1368, 90.2175

Background



This preview shows how black text looks on a background with the XYZ color 72.7681, 76.1368, 90.2175.



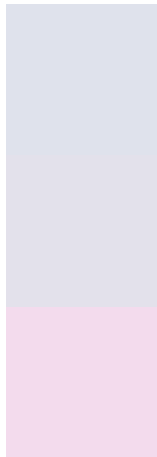
This preview shows how white text looks on a background with the XYZ color 72.7681, 76.1368,

90.2175.

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

72.7681, 76.1368, 90.2175

Protanopia

73.5992, 76.1795, 89.4223

Deuteranopia

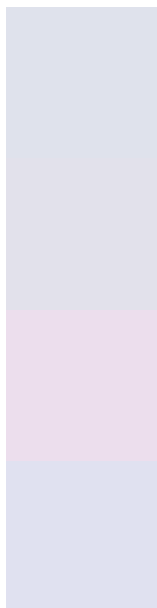
77.5797, 75.8321, 90.6689



Tritanopia

73.8433, 76.1688, 95.6041

Trichromacy



Original Color

72.7681, 76.1368, 90.2175

Protanomaly

73.2846, 76.0173, 89.4076

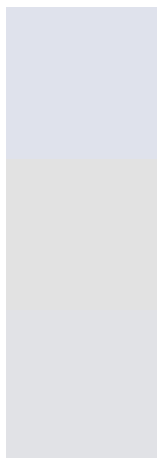
Deuteranomaly

75.9994, 76.1898, 90.8213

Tritanomaly

73.3939, 75.9890, 93.2371

Monochromacy



Original Color

72.7681, 76.1368, 90.2175

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

72.5306, 76.1134, 85.7315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7681, 76.1368, 90.2175 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, 226, 236) looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 226, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 226, 236) }
```

Border

The CSS property to change the border of an element to XYZ 72.7681, 76.1368, 90.2175 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, 226, 236) }
```


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

```
.border{ border-color:rgb(223, 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(223, 226, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 226, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 226, 236);  
box-shadow:4px 4px 4px 4px rgb(223, 226,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7681, 76.1368, 90.2175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 226, 236) }
```

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

```
.background{ background-color: rgb(223,  
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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