

Converting Colors

XYZ(71.0601, 76.1048, 90.0022)

Have a look what the booklet for
XYZ(71.0601, 76.1048, 90.0022)
contains.

XYZ(71.2026, 76.1419, 90.3009)	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(71.2026, 76.1419,
90.3009)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E4EC
RGB	216, 228, 236
RGB Percent	85%, 89%, 93%
CMY	0.1529, 0.1059, 0.0745
CMYK	0.08, 0.03, 0.00, 0.07
HSL	204°, 34%, 89%
HSV	204°, 8%, 93%
XYZ	71.2026, 76.1419, 90.3009
YIQ	225.3240, -9.7200, -0.0560

Conversions

Conversions Part 2

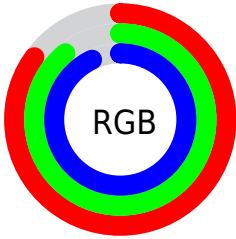
Format	Color
R _Y B	216, 224, 236
Decimal	14214380
CIE Lab	89.93, -2.47, -5.28
CIE LCh	90, 5.826, 244.919
Yxy	76.1419, 0.2996, 0.3204
Android (android.graphics.Color)	4292404460 (0xFFD8E4EC)
YUV	225.3240, 5.2633, -8.1771
Hunter-Lab	87.2593, -7.0499, -0.2751

Details

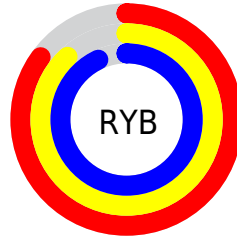
The XYZ color **71.2026, 76.1419, 90.3009** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.6426, 76.1013, 75.7746**, and the grayscale version is **71.7713, 75.5089, 82.2292**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8797, 40.7595, 49.0509** is the 20% darker color. If you saturate the color by 10%, you get **62.2000, 67.7539, 89.1575**, and if you desaturate by 10%, it is **81.3527, 85.3359, 91.5417**.

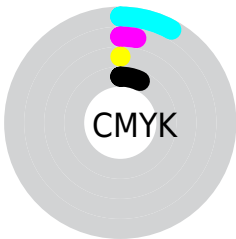
Distribution



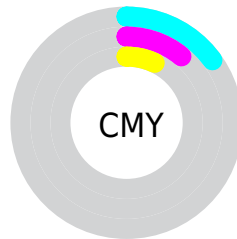
- Red (85%)
- Green (89%)
- Blue (93%)



- Red (85%)
- Yellow (88%)
- Blue (93%)



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



- Cyan (15%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2026, 76.1419, 90.3009 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 71.2026, 76.1419, 90.3009 by changing the saturation by 10% instead.

■ 71.2026, 76.1419,
90.3009

■ 71.2026, 76.1419,
90.3009

453.9622,
481.8333, 549.6045

■ 52.7907, 56.5489,
67.6551

119.9391,
127.9275, 149.6955

■ 37.8625, 40.6432,
49.1523

150.9944,
160.8888, 187.2813

■ 26.0527, 28.0404,
34.3738

186.9949,
199.0750, 230.6843

■ 16.9960, 18.3561,
22.9013

228.3059,
242.8705, 280.3229

■ 10.3269, 11.2059,
14.3160

275.2927,
292.6597, 336.6157

■ 5.6802, 6.2055,
8.1995

328.3208,

■ 2.6904, 2.9705,

348.8270, 399.9812

4.1333

387.7555,
411.7567, 470.8379

■ 0.9922, 1.1163,
1.6987

■ 0.0000, 0.0000,
0.3599

■ 71.2026, 76.1419,
90.3009

■ 71.2026, 76.1419,
90.3009

■ 62.2000, 67.7539,
89.1575

■ 81.3527, 85.3359,
91.5417

■ 54.2935, 60.1359,
88.1038

■ 89.6036, 93.7624,
92.7333

■ 47.4375, 53.2631,
87.1386

■ 92.1405, 98.8362,
93.5790

■ 41.5805, 47.1054,
86.2587

■ 36.6663, 41.6302,
85.4609

■ 32.6324, 36.8017,
84.7415

■ 29.4082, 32.5797,
84.0965

■ 26.9106, 28.9174,
83.5213

■ 25.0206, 25.7495,
83.0094

Harmonies

Analogous

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



70.1228, 76.1419, 87.5304



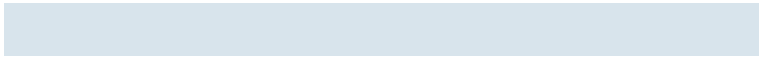
71.2026, 76.1419, 90.3009



72.6084, 76.1419, 91.0641

Triad

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



71.2026, 76.1419, 90.3009



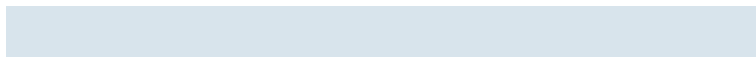
75.1659, 76.1419, 82.2272



70.7964, 76.1419, 76.5688

Complementary

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



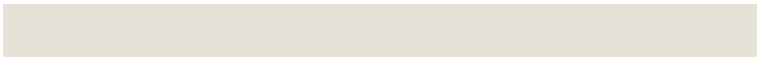
71.2026, 76.1419, 90.3009



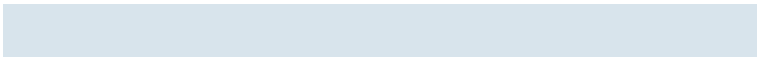
73.6426, 76.1013, 75.7746

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.



72.1333, 76.1419, 75.2495



71.2026, 76.1419, 90.3009



74.6660, 76.1419, 78.4466

Square

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



71.2026, 76.1419, 90.3009



74.9087, 76.1419, 86.3145



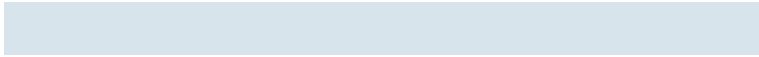
73.5513, 76.1419, 75.9255



69.8904, 76.1419, 79.5877

Rectangle

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



71.2026, 76.1419, 90.3009



73.5441, 76.1419, 90.3110



73.5513, 76.1419, 75.9255



71.2097, 76.1419, 75.9165

Sweetspot

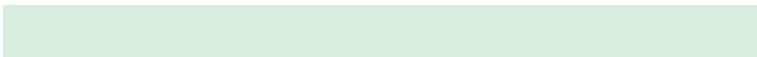
The Sweet Spot groups the original color and five complimentary colors.



71.2048, 76.1451, 90.3026



91.3233, 96.6419, 108.4482



71.7249, 79.9548, 81.9379



19.3383, 20.4964, 23.1869



0.0000, 0.0000, 0.0000



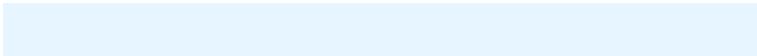
20.3446, 21.4041, 23.3091

Same Dimension

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



71.2048, 76.1451, 90.3026



83.1162, 89.1471, 107.4342



68.6183, 70.9722, 89.4404



14.9832, 16.0528, 19.2310



13.7784, 14.2038, 45.7584



1.1756, 1.3027, 3.6244

Inverse Universe

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



73.1532, 72.5475, 83.5501



85.8495, 84.1564, 97.9490



76.3159, 81.4479, 76.6657



15.4451, 15.2059, 17.6289



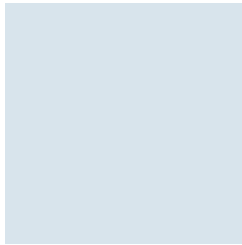
21.8100, 10.9267, 15.3327



1.7599, 0.8769, 1.4530

Previews

White Background



This preview shows how the XYZ color 71.2026, 76.1419, 90.3009 looks on a white background.

Color Contrast Check

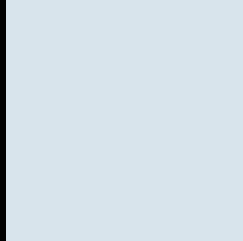
Large Text (above 18pt) WCAG AA × Fail

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 71.2026, 76.1419, 90.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

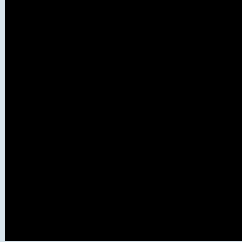
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

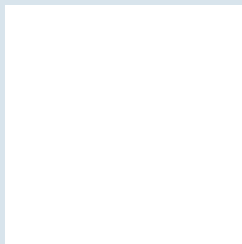
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.2026, 76.1419, 90.3009

Background



This preview shows how black text looks on a background with the XYZ color 71.2026, 76.1419, 90.3009.

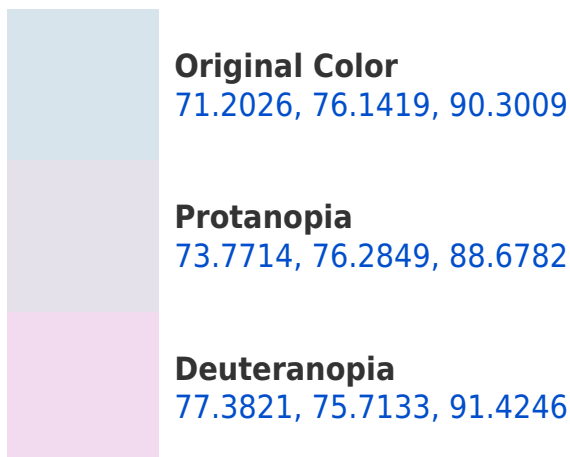


This preview shows how white text looks on a background with the XYZ color 71.2026, 76.1419,

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

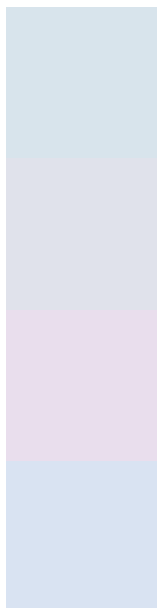




Tritanopia

72.5658, 76.2825, 97.2856

Trichromacy



Original Color

71.2026, 76.1419, 90.3009

Protanomaly

72.9322, 76.2382, 89.4688

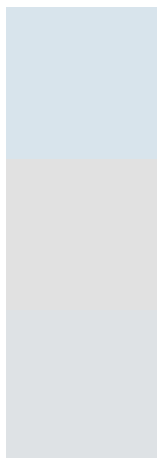
Deuteranomaly

75.0116, 75.6806, 90.7750

Tritanomaly

72.1114, 76.1007, 94.8926

Monochromacy



Original Color

71.2026, 76.1419, 90.3009

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.4634, 75.5795, 84.9505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2026, 76.1419, 90.3009 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(216, 228, 236) looks like.

```
.text, #text, p{  
    color:rgb(216, 228, 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(216, 228, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 228, 236) }
```

Border

The CSS property to change the border of an element to XYZ 71.2026, 76.1419, 90.3009 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(216, 228, 236) }
```


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

```
.border{ border-color:rgb(216, 228, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 228, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 228, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 228, 236);  
box-shadow:4px 4px 4px 4px rgb(216, 228,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2026, 76.1419, 90.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 228, 236) }
```

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

```
.background{ background-color: rgb(216,  
228, 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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