

Converting Colors

XYZ(72.5696, 77.9274, 90.8428)

Have a look what the booklet for
XYZ(72.5696, 77.9274, 90.8428)
contains.

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Color

**XYZ(72.6297, 78.1134,
90.6063)**

Conversions

Conversions Part 1

Format	Color
Hex	DAE7EC
RGB	218, 231, 236
RGB Percent	85%, 91%, 93%
CMY	0.1451, 0.0941, 0.0745
CMYK	0.08, 0.02, 0.00, 0.07
HSL	197°, 32%, 89%
HSV	197°, 8%, 93%
XYZ	72.6297, 78.1134, 90.6063
YIQ	227.6830, -9.3530, -1.2010

Conversions

Conversions Part 2

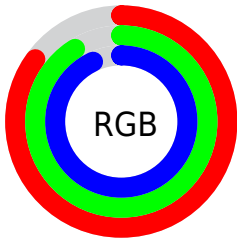
Format	Color
R _Y B	218, 226, 236
Decimal	14346220
CIE Lab	90.83, -3.36, -3.93
CIE LCh	91, 5.169, 229.412
Yxy	78.1134, 0.3009, 0.3237
Android (android.graphics.Color)	4292536300 (0xFFDAE7EC)
YUV	227.6830, 4.1003, -8.4920
Hunter-Lab	88.3818, -7.9818, 1.0850

Details

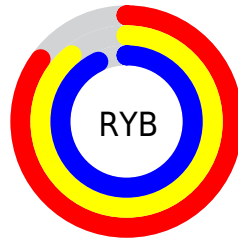
The XYZ color **72.6297, 78.1134, 90.6063** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.6350, 75.6697, 77.0557**, and the grayscale version is **73.4890, 77.3162, 84.1973**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6724, 41.7418, 49.1987** is the 20% darker color. If you saturate the color by 10%, you get **64.2699, 71.1346, 89.7011**, and if you desaturate by 10%, it is **82.0675, 85.7541, 91.5849**.

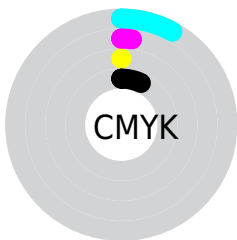
Distribution



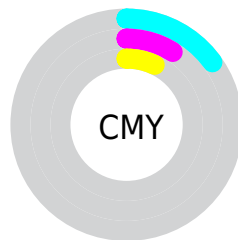
- Red (85%)
- Green (91%)
- Blue (93%)



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



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (15%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6297, 78.1134, 90.6063 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 72.6297, 78.1134, 90.6063 by changing the saturation by 10% instead.

■ 72.6297, 78.1134,
90.6063

■ 72.6297, 78.1134,
90.6063

458.8541,
488.5519, 550.6221

■ 53.9605, 58.1671,
67.9071

121.9573,
130.7100, 150.1232

■ 38.8006, 41.9430,
49.3559

153.3465,
164.1291, 187.7779

■ 26.7847, 29.0567,
34.5343

189.7064,
202.8079, 231.2548

■ 17.5473, 19.1237,
23.0237

231.4024,
247.1309, 280.9725

■ 10.7232, 11.7597,
14.4055

278.7998,
297.4823, 337.3496

■ 5.9470, 6.5803,
8.2613

332.2640,

■ 2.8532, 3.2010,

354.2467, 400.8045

4.1724

392.1603,
417.8084, 471.7558

■ 1.0766, 1.2376,
1.7204

■ 0.0054, 0.0921,
0.3747

■ 72.6297, 78.1134,
90.6063

■ 72.6297, 78.1134,
90.6063

■ 64.2699, 71.1346,
89.7011

■ 82.0675, 85.7541,
91.5849

■ 56.9383, 64.7845,
88.8618

■ 88.7635, 92.0821,
92.4534

■ 50.5912, 59.0417,
88.0879

■ 90.7710, 96.0972,
93.1226

■ 45.1790, 53.8793,
87.3767

■ 92.1406, 98.8362,
93.5791

■ 40.6476, 49.2683,
86.7255

■ 36.9367, 45.1766,
86.1313

■ 33.9783, 41.5677,
85.5906

■ 31.6925, 38.3994,
85.0996

■ 29.9720, 35.6151,
84.6528

Harmonies

Analogous

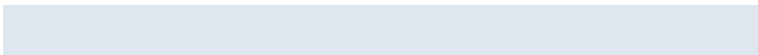
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9114, 78.1134, 87.4542



72.6297, 78.1134, 90.6063



73.7860, 78.1134, 92.2863

Triad

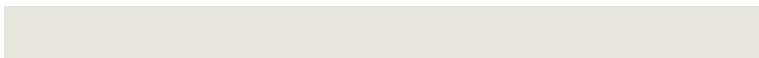
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.6297, 78.1134, 90.6063



76.7292, 78.1134, 86.3746



73.4166, 78.1134, 78.4763

Complementary

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



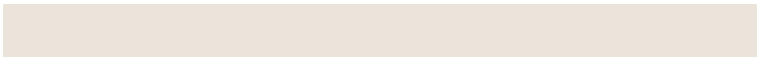
72.6297, 78.1134, 90.6063



73.6350, 75.6697, 77.0557

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.



74.7048, 78.1134, 78.2064



72.6297, 78.1134, 90.6063



76.6275, 78.1134, 82.6946

Square

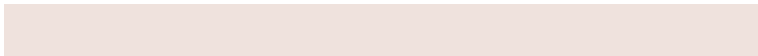
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6297, 78.1134, 90.6063



76.1593, 78.1134, 89.7962



75.8829, 78.1134, 79.7299



72.3620, 78.1134, 80.4783

Rectangle

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



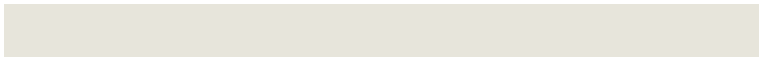
72.6297, 78.1134, 90.6063



74.6540, 78.1134, 92.3132



75.8829, 78.1134, 79.7299



73.8364, 78.1134, 78.1823

Sweetspot

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



72.6320, 78.1167, 90.6080



92.7486, 98.1456, 108.6634



72.2025, 80.2146, 81.3495



19.8761, 21.0267, 23.2609



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.



72.6320, 78.1167, 90.6080



85.1062, 91.9067, 107.8619



70.2295, 73.3118, 89.8072



15.1437, 16.3739, 19.2846



16.4342, 19.5155, 46.6437



1.3706, 1.6926, 3.6893

Inverse Universe

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



74.0891, 73.7468, 85.9348



87.1518, 85.8178, 101.2909



76.0486, 80.4968, 77.8602



15.5261, 15.2383, 18.0557



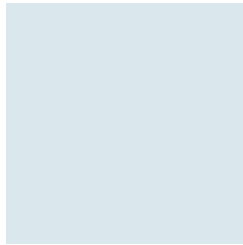
23.1505, 11.4629, 22.3919



1.8583, 0.9163, 1.9712

Previews

White Background



This preview shows how the XYZ color 72.6297, 78.1134, 90.6063 looks on a white background.

Color Contrast Check

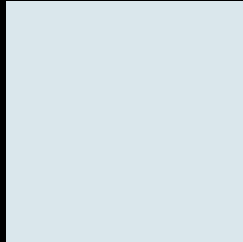
Large Text (above 18pt) WCAG AA × Fail

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 72.6297, 78.1134, 90.6063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

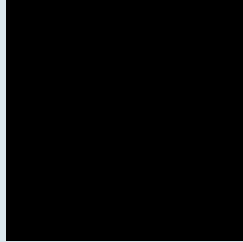
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

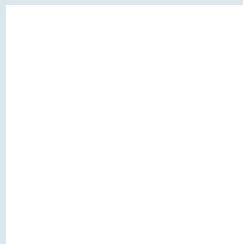
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.6297, 78.1134, 90.6063

Background



This preview shows how black text looks on a background with the XYZ color 72.6297, 78.1134, 90.6063.



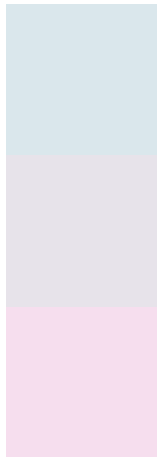
This preview shows how white text looks on a background with the XYZ color 72.6297, 78.1134,

90.6063.

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

72.6297, 78.1134, 90.6063

Protanopia

75.2754, 77.8676, 88.9044

Deuteranopia

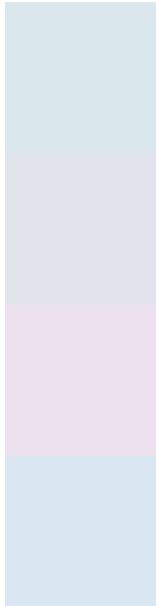
79.5599, 78.0084, 91.7528



Tritanopia

74.3230, 77.9697, 99.1281

Trichromacy



Original Color

72.6297, 78.1134, 90.6063

Protanomaly

74.1028, 77.6537, 89.6803

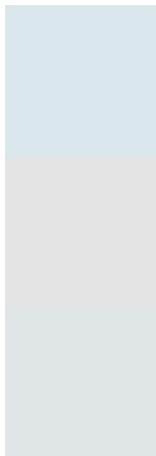
Deuteranomaly

76.8033, 77.7977, 91.0893

Tritanomaly

73.6879, 78.1248, 95.9898

Monochromacy



Original Color

72.6297, 78.1134, 90.6063

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.1836, 77.6554, 86.7331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6297, 78.1134, 90.6063 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(218, 231, 236) looks like.

```
.text, #text, p{  
    color:rgb(218, 231, 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(218, 231, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 231, 236) }
```

Border

The CSS property to change the border of an element to XYZ 72.6297, 78.1134, 90.6063 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(218, 231, 236) }
```


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

```
.border{ border-color:rgb(218, 231, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 231, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 231, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 231, 236);  
box-shadow:4px 4px 4px 4px rgb(218, 231,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6297, 78.1134, 90.6063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 231, 236) }
```

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

```
.background{ background-color: rgb(218,  
231, 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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