

Converting Colors

XYZ(72.2624, 77.2919, 98.8144)

Have a look what the booklet for
XYZ(72.2624, 77.2919, 98.8144)
contains.

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Color

**XYZ(72.2367, 77.3061,
99.1100)**

Conversions

Conversions Part 1

Format	Color
Hex	D4E6F7
RGB	212, 230, 247
RGB Percent	83%, 90%, 97%
CMY	0.1686, 0.0980, 0.0314
CMYK	0.14, 0.07, 0.00, 0.03
HSL	209°, 69%, 90%
HSV	209°, 14%, 97%
XYZ	72.2367, 77.3061, 99.1100
YIQ	226.5560, -16.1850, 1.4710

Conversions

Conversions Part 2

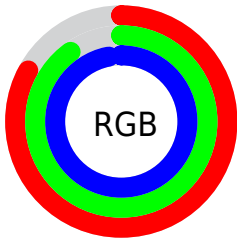
Format	Color
R _Y B	212, 224, 247
Decimal	13952759
CIE Lab	90.46, -2.60, -10.27
CIE LCh	90, 10.595, 255.812
Yxy	77.3061, 0.2905, 0.3109
Android (android.graphics.Color)	4292142839 (0xFFD4E6F7)
YUV	226.5560, 10.0789, -12.7656
Hunter-Lab	87.9239, -7.2144, -5.2864

Details

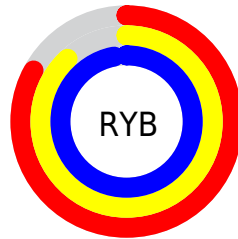
The XYZ color **72.2367, 77.3061, 99.1100** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.2612, 80.5660, 73.7148**, and the grayscale version is **72.6308, 76.4133, 83.2140**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6386, 41.5896, 55.2813** is the 20% darker color. If you saturate the color by 10%, you get **62.4303, 67.4664, 97.7288**, and if you desaturate by 10%, it is **83.3667, 88.1731, 100.6222**.

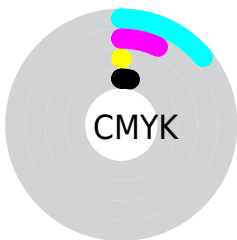
Distribution



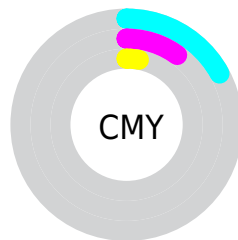
- Red (83%)
- Green (90%)
- Blue (97%)



- Red (83%)
- Yellow (88%)
- Blue (97%)



- Cyan (14%)
- Magenta (7%)
- Yellow (0%)
- Black (3%)



- Cyan (17%)
- Magenta (10%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2367, 77.3061, 99.1100 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 72.2367, 77.3061, 99.1100 by changing the saturation by 10% instead.

■ 72.2367, 77.3061,
99.1100

■ 72.2367, 77.3061,
99.1100

457.5099,
485.8070, 578.5578

■ 53.6382, 57.5041,
74.9447

121.4020,
129.5715, 161.9748

■ 38.5420, 41.4101,
55.0662

152.6995,
162.8037, 201.5114

■ 26.5827, 28.6397,
39.0557

188.9607,
201.2814, 247.0088

■ 17.3951, 18.8084,
26.4949

230.5510,
245.3891, 298.8856

■ 10.6136, 11.5319,
16.9652

277.8357,
295.5111, 357.5604

■ 5.8730, 6.4258,
10.0480

331.1802,

■ 2.8079, 3.1057,

352.0319, 423.4517

5.3248

390.9498,
415.3357, 496.9779

■ 1.0530, 1.1872,
2.3770

■ 0.0000, 0.0512,
0.7739

■ 72.2367, 77.3061,
99.1100

■ 72.2367, 77.3061,
99.1100

■ 62.4303, 67.4664,
97.7288

■ 83.3667, 88.1731,
100.6222

■ 53.8865, 58.6099,
96.4697

■ 93.4690, 98.8560,
102.1517

■ 46.5500, 50.7029,
95.3301

■ 93.7887, 99.4955,
102.2583

■ 40.3578, 43.7057,
94.3059

■ 35.2412, 37.5755,
93.3923

■ 31.1230, 32.2645,
92.5843

■ 27.9143, 27.7189,
91.8760

■ 25.5074, 23.8747,
91.2608

■ 24.3848, 21.9075,
90.9403

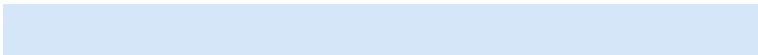
Harmonies

Analogous

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



69.9865, 77.3061, 95.0634



72.2367, 77.3061, 99.1100



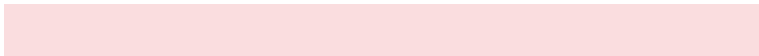
74.8726, 77.3061, 98.9909

Triad

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



72.2367, 77.3061, 99.1100



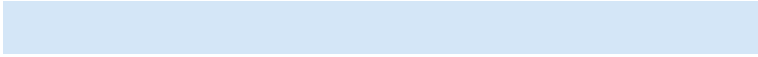
78.4836, 77.3061, 80.2637



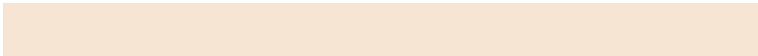
69.8878, 77.3061, 74.4168

Complementary

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



72.2367, 77.3061, 99.1100



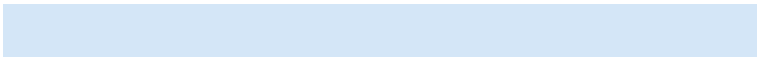
78.2612, 80.5660, 73.7148

Split Complementary

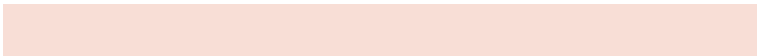
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.0991, 77.3061, 70.9133



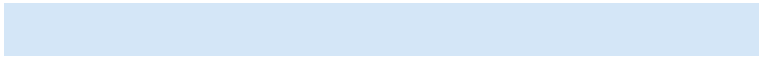
72.2367, 77.3061, 99.1100



77.0820, 77.3061, 74.1481

Square

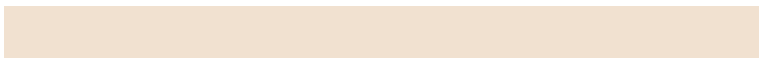
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.2367, 77.3061, 99.1100



78.5226, 77.3061, 87.7967



74.7317, 77.3061, 70.8180



68.6525, 77.3061, 80.6508

Rectangle

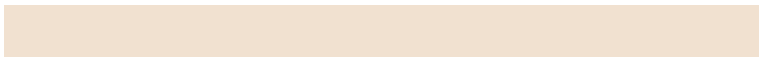
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



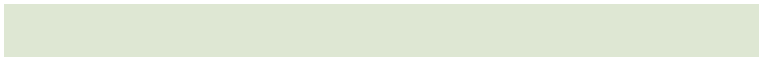
72.2367, 77.3061, 99.1100



76.4955, 77.3061, 96.5553



74.7317, 77.3061, 70.8180



70.5392, 77.3061, 72.8976

Sweetspot

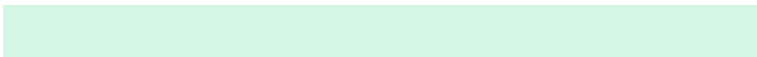
The Sweet Spot groups the original color and five complimentary colors.



72.2390, 77.3093, 99.1117



89.8365, 94.9967, 108.2090



74.5448, 86.1725, 86.7732



19.0245, 20.1362, 23.1339



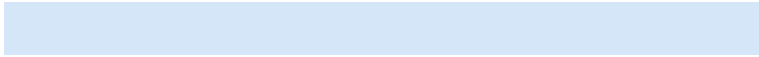
0.0000, 0.0000, 0.0000



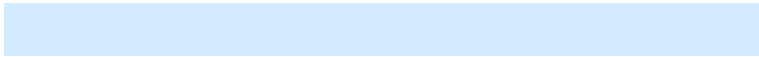
20.3446, 21.4041, 23.3091

Same Dimension

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



72.2390, 77.3093, 99.1117



74.5086, 79.9812, 106.1186



67.6309, 68.0932, 97.5757



16.2861, 17.3365, 21.0305



13.0391, 11.8719, 48.1423



1.2489, 1.2492, 4.2655

Inverse Universe

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



76.1860, 72.5760, 84.8597



79.5399, 74.1097, 87.9153



83.3254, 90.6943, 75.4029



16.8550, 16.6248, 18.9830



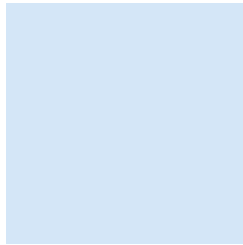
22.3860, 11.2978, 12.0071



2.0195, 1.0137, 1.3288

Previews

White Background



This preview shows how the XYZ color 72.2367, 77.3061, 99.1100 looks on a white background.

Color Contrast Check

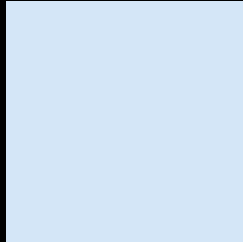
Large Text (above 18pt) WCAG AA × Fail

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 72.2367, 77.3061, 99.1100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

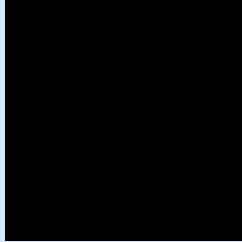
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

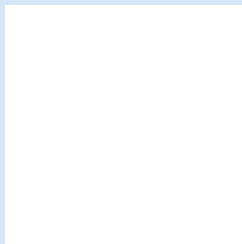
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.2367, 77.3061, 99.1100

Background



This preview shows how black text looks on a background with the XYZ color 72.2367, 77.3061, 99.1100.



This preview shows how white text looks on a background with the XYZ color 72.2367, 77.3061,

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

72.2367, 77.3061, 99.1100

Protanopia

75.0418, 77.1540, 97.3233

Deuteranopia

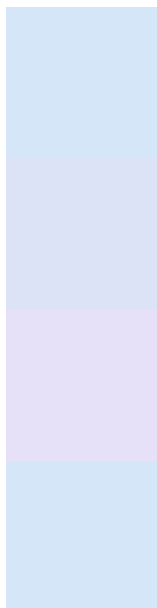
78.8905, 77.0777, 100.3420



Tritanopia

72.3915, 77.3680, 99.9250

Trichromacy



Original Color

72.2367, 77.3061, 99.1100

Protanomaly

73.9224, 76.9641, 98.1482

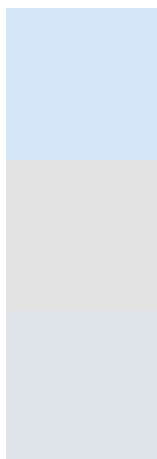
Deuteranomaly

76.2321, 76.9116, 99.6345

Tritanomaly

72.3915, 77.3680, 99.9250

Monochromacy



Original Color

72.2367, 77.3061, 99.1100

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.7189, 76.9569, 88.8634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2367, 77.3061, 99.1100 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(212, 230, 247)` looks like.

```
.text, #text, p{  
    color:rgb(212, 230, 247)  
}
```

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(212, 230, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 230, 247) }
```

Border

The CSS property to change the border of an element to XYZ 72.2367, 77.3061, 99.1100 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(212, 230, 247) }
```


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

```
.border{ border-color:rgb(212, 230, 247) }
```

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

Here you see how a box with a 4 pixel rgb(212, 230, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 230, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 230, 247);  
box-shadow:4px 4px 4px 4px rgb(212, 230,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2367, 77.3061, 99.1100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 230, 247) }
```

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

```
.background{ background-color: rgb(212,  
230, 247) }
```

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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