

Converting Colors

XYZ(72.2321, 76.4090, 99.5887)

Have a look what the booklet for
XYZ(72.2321, 76.4090, 99.5887)
contains.

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Color

**XYZ(72.4182, 76.5603,
99.7677)**

Conversions

Conversions Part 1

Format	Color
Hex	D6E4F8
RGB	214, 228, 248
RGB Percent	84%, 89%, 97%
CMY	0.1608, 0.1059, 0.0274
CMYK	0.14, 0.08, 0.00, 0.03
HSL	215°, 71%, 91%
HSV	215°, 14%, 97%
XYZ	72.4182, 76.5603, 99.7677
YIQ	226.0940, -14.7640, 3.2520

Conversions

Conversions Part 2

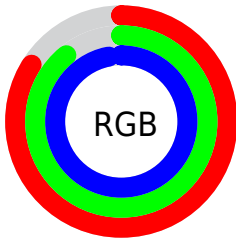
Format	Color
R _Y B	214, 224, 248
Decimal	14083320
CIE Lab	90.12, -0.73, -11.29
CIE LCh	90, 11.316, 266.278
Yxy	76.5603, 0.2911, 0.3078
Android (android.graphics.Color)	4292273400 (0xFFD6E4F8)
YUV	226.0940, 10.7997, -10.6064
Hunter-Lab	87.4987, -5.3875, -6.3544

Details

The XYZ color **72.4182, 76.5603, 99.7677** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.2721, 83.6566, 75.5362**, and the grayscale version is **72.2906, 76.0553, 82.8243**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7561, 41.0638, 55.7526** is the 20% darker color. If you saturate the color by 10%, you get **61.8797, 65.4217, 98.1744**, and if you desaturate by 10%, it is **84.4017, 88.9504, 101.5288**.

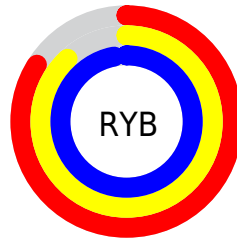
Distribution



Red (84%)

Green (89%)

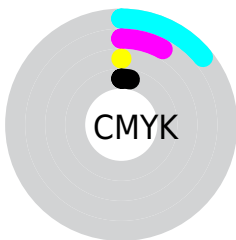
Blue (97%)



Red (84%)

Yellow (88%)

Blue (97%)

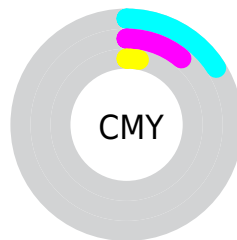


Cyan (14%)

Magenta (8%)

Yellow (0%)

Black (3%)



Cyan (16%)

Magenta (11%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.4182, 76.5603, 99.7677 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 72.4182, 76.5603, 99.7677 by changing the saturation by 10% instead.

■ 72.4182, 76.5603,
99.7677

■ 72.4182, 76.5603,
99.7677

458.1310,
483.2636, 580.6880

■ 53.7871, 56.8921,
75.4907

121.6585,
128.5186, 162.8870

■ 38.6614, 40.9186,
55.5109

152.9984,
161.5775, 202.5664

■ 26.6760, 28.2555,
39.4095

189.3052,
199.8687, 248.2171

■ 17.4654, 18.5183,
26.7682

230.9443,
243.7766, 300.2576

■ 10.6642, 11.3228,
17.1683

278.2811,
293.6857, 359.1063

■ 5.9071, 6.2844,
10.1913

331.6809,

■ 2.8288, 3.0188,

349.9803, 425.1820

5.4187

391.5091,
413.0448, 498.9030

■ 1.0639, 1.1415,
2.4320

■ 0.0000, 0.0132,
0.8038

■ 72.4182, 76.5603,
99.7677

■ 72.4182, 76.5603,
99.7677

■ 61.8797, 65.4217,
98.1744

■ 84.4017, 88.9504,
101.5288

■ 52.7215, 55.4829,
96.7387

■ 93.9435, 99.5574,
103.0733

■ 44.8836, 46.7022,
95.4569

■ 38.2990, 39.0315,
94.3234

■ 32.8940, 32.4190,
93.3319

■ 28.5866, 26.8077,
92.4759

■ 25.2828, 22.1337,
91.7478

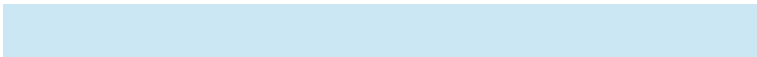
■ 22.8696, 18.3225,
91.1394

■ 21.7089, 16.3082,
90.8118

Harmonies

Analogous

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



69.8110, 76.5603, 96.8987



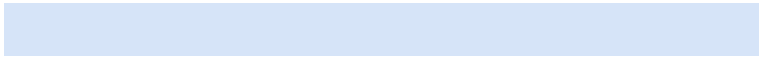
72.4182, 76.5603, 99.7677



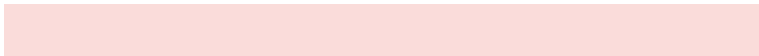
75.1855, 76.5603, 98.0131

Triad

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



72.4182, 76.5603, 99.7677



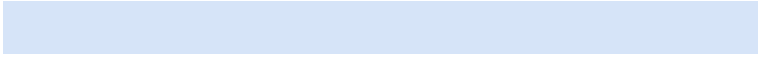
77.7190, 76.5603, 76.6994



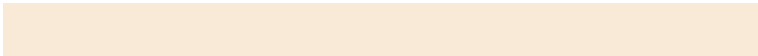
68.3682, 76.5603, 75.0658

Complementary

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



72.4182, 76.5603, 99.7677



80.2721, 83.6566, 75.5362

Split Complementary

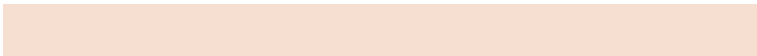
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.4034, 76.5603, 70.2474



72.4182, 76.5603, 99.7677



75.8079, 76.5603, 71.1471

Square

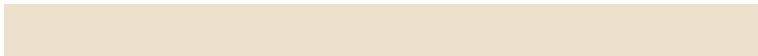
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4182, 76.5603, 99.7677



78.2916, 76.5603, 84.3694



73.1195, 76.5603, 68.8597



67.5110, 76.5603, 82.3610

Rectangle

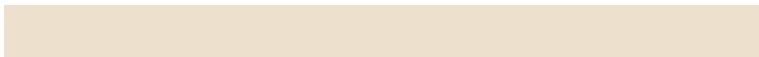
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



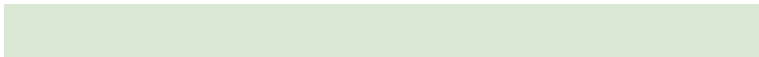
72.4182, 76.5603, 99.7677



76.7415, 76.5603, 94.5149



73.1195, 76.5603, 68.8597



68.9346, 76.5603, 73.1213

Sweetspot

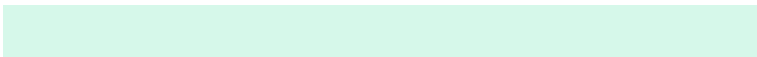
The Sweet Spot groups the original color and five complimentary colors.



72.4205, 76.5635, 99.7694



89.5124, 94.3485, 108.1010



76.1276, 87.3632, 90.5681



18.9426, 19.9722, 23.1066



0.0000, 0.0000, 0.0000



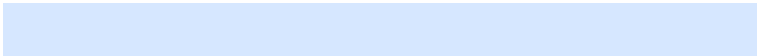
20.3446, 21.4041, 23.3091

Same Dimension

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



72.4205, 76.5635, 99.7694



74.4170, 78.7003, 105.8762



69.5569, 69.5981, 98.5759



16.8702, 17.8172, 21.9352



11.8572, 9.0700, 49.0993



1.1998, 1.0432, 4.5813

Inverse Universe

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



76.7633, 73.6526, 83.5730



79.7616, 75.2242, 85.9201



83.4206, 91.4336, 76.8714



17.5410, 17.3438, 19.4387



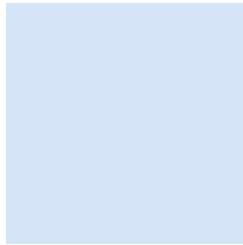
22.2770, 11.3265, 8.1670



2.1145, 1.0695, 1.0264

Previews

White Background



This preview shows how the XYZ color 72.4182, 76.5603, 99.7677 looks on a white background.

Color Contrast Check

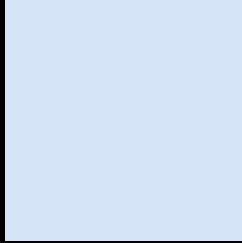
Large Text (above 18pt) WCAG AA × Fail

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 72.4182, 76.5603, 99.7677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

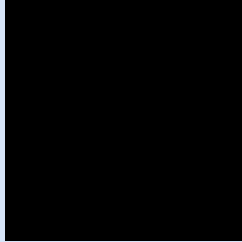
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

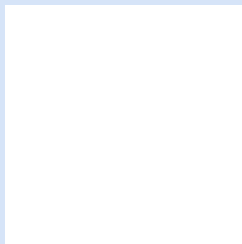
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.4182, 76.5603, 99.7677

Background



This preview shows how black text looks on a background with the XYZ color 72.4182, 76.5603, 99.7677.



This preview shows how white text looks on a background with the XYZ color 72.4182, 76.5603,

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

72.4182, 76.5603, 99.7677

Protanopia

74.6111, 76.5118, 98.0246

Deuteranopia

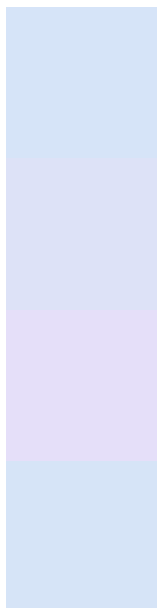
78.1084, 76.2657, 101.0465



Tritanopia

72.1095, 76.4368, 98.1420

Trichromacy



Original Color

72.4182, 76.5603, 99.7677

Protanomaly

73.8037, 76.4803, 98.8680

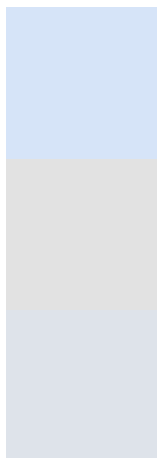
Deuteranomaly

75.7997, 76.2729, 100.3496

Tritanomaly

72.2635, 76.4983, 98.9527

Monochromacy



Original Color

72.4182, 76.5603, 99.7677

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

72.4446, 76.4083, 88.7719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4182, 76.5603, 99.7677 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(214, 228, 248)` looks like.

```
.text, #text, p{  
    color:rgb(214, 228, 248)  
}
```

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(214, 228, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 228, 248) }
```

Border

The CSS property to change the border of an element to XYZ 72.4182, 76.5603, 99.7677 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(214, 228, 248) }
```


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

```
.border{ border-color:rgb(214, 228, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 228, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 228, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 228, 248);  
box-shadow:4px 4px 4px 4px rgb(214, 228,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4182, 76.5603, 99.7677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 228, 248) }
```

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

```
.background{ background-color: rgb(214,  
228, 248) }
```

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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