

Converting Colors

XYZ(70.7847, 75.3655, 96.0908)

Have a look what the booklet for
XYZ(70.7847, 75.3655, 96.0908)
contains.

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Color

**XYZ(70.9496, 75.4669,
96.4151)**

Conversions

Conversions Part 1

Format	Color
Hex	D4E3F4
RGB	212, 227, 244
RGB Percent	83%, 89%, 96%
CMY	0.1686, 0.1098, 0.0431
CMYK	0.13, 0.07, 0.00, 0.04
HSL	212°, 59%, 89%
HSV	212°, 13%, 96%
XYZ	70.9496, 75.4669, 96.4151
YIQ	224.4530, -14.3970, 2.1070

Conversions

Conversions Part 2

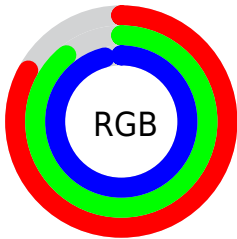
Format	Color
R _Y B	212, 222, 244
Decimal	13951988
CIE Lab	89.61, -1.65, -9.97
CIE LCh	90, 10.103, 260.572
Yxy	75.4669, 0.2922, 0.3108
Android (android.graphics.Color)	4292142068 (0xFFD4E3F4)
YUV	224.4530, 9.6367, -10.9213
Hunter-Lab	86.8717, -6.2414, -4.9932

Details

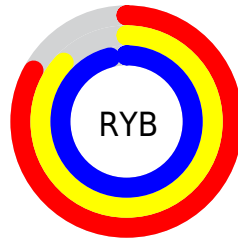
The XYZ color **70.9496, 75.4669, 96.4151** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.2116, 80.0248, 73.6656**, and the grayscale version is **71.1180, 74.8217, 81.4808**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7343, 40.3040, 53.3676** is the 20% darker color. If you saturate the color by 10%, you get **61.0284, 65.2885, 94.9746**, and if you desaturate by 10%, it is **82.2050, 86.7332, 97.9977**.

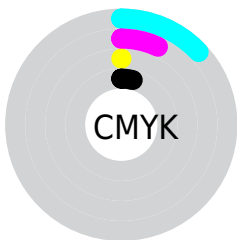
Distribution



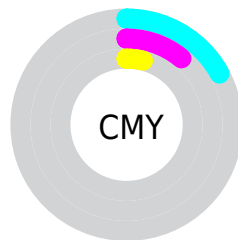
- Red (83%)
- Green (89%)
- Blue (96%)



- Red (83%)
- Yellow (87%)
- Blue (96%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)



- Cyan (17%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9496, 75.4669, 96.4151 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 70.9496, 75.4669, 96.4151 by changing the saturation by 10% instead.

■ 70.9496, 75.4669,
96.4151

■ 70.9496, 75.4669,
96.4151

453.0918,
479.5208, 569.7851

■ 52.5835, 55.9955,
72.7099

119.5809,
126.9731, 158.2305

■ 37.6965, 40.1993,
53.2484

150.5767,
159.7766, 197.1779

■ 25.9234, 27.6940,
37.6121

186.5131,
197.7929, 242.0431

■ 16.8987, 18.0951,
25.3822

227.7555,
241.4065, 293.2446

■ 10.2571, 11.0183,
16.1405

274.6692,
291.0017, 351.2010

■ 5.6334, 6.0791,
9.4682

327.6196,

■ 2.6620, 2.8933,

346.9629, 416.3309

4.9468

386.9720,
409.6744, 489.0527

■ 0.9776, 1.0763,
2.1579

■ 0.0000, 0.0000,
0.6499

■ 70.9496, 75.4669,
96.4151

■ 70.9496, 75.4669,
96.4151

■ 61.0284, 65.2885,
94.9746

■ 82.2050, 86.7332,
97.9977

■ 52.3814, 56.1524,
93.6669

■ 92.6711, 97.9952,
99.6198

■ 44.9536, 48.0233,
92.4893

■ 93.3294, 99.3117,
99.8393

■ 38.6831, 40.8601,
91.4371

■ 33.5023, 34.6182,
90.5054

■ 29.3355, 29.2484,
89.6885

■ 26.0961, 24.6957,
88.9805

■ 23.6802, 20.8955,
88.3743

■ 22.3919, 18.6568,
88.0101

Harmonies

Analogous

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



68.7385, 75.4669, 93.1945



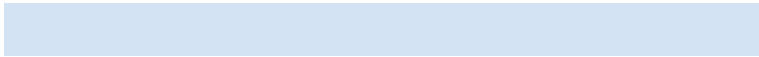
70.9496, 75.4669, 96.4151



73.4203, 75.4669, 95.6523

Triad

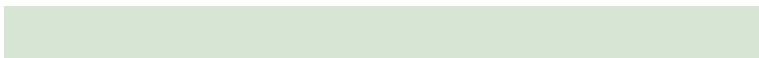
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9496, 75.4669, 96.4151



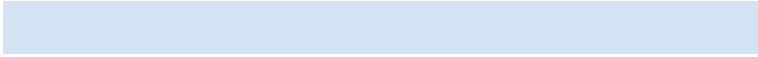
76.2937, 75.4669, 77.4577



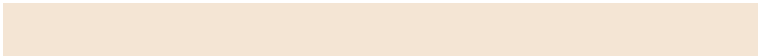
68.1030, 75.4669, 73.7867

Complementary

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



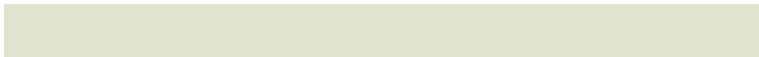
70.9496, 75.4669, 96.4151



77.2116, 80.0248, 73.6656

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.



70.0639, 75.4669, 70.0192



70.9496, 75.4669, 96.4151



74.8050, 75.4669, 72.0522

Square

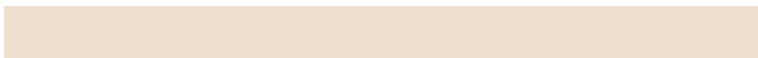
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9496, 75.4669, 96.4151



76.5441, 75.4669, 84.4314



72.5141, 75.4669, 69.4031



67.1202, 75.4669, 79.9506

Rectangle

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



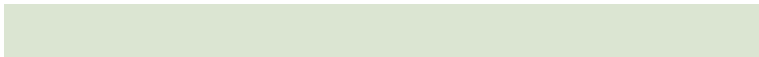
70.9496, 75.4669, 96.4151



74.8802, 75.4669, 93.0036



72.5141, 75.4669, 69.4031



68.6675, 75.4669, 72.2133

Sweetspot

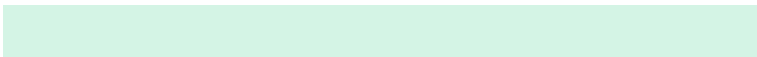
The Sweet Spot groups the original color and five complimentary colors.



70.9518, 75.4700, 96.4168



89.6924, 94.7084, 108.1610



73.5812, 84.3309, 86.1883



18.9881, 20.0632, 23.1218



0.0000, 0.0000, 0.0000



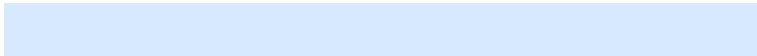
20.3446, 21.4041, 23.3091

Same Dimension

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



70.9518, 75.4700, 96.4168



75.0721, 80.0106, 106.0946



67.1794, 67.6966, 95.1152



16.2218, 17.2078, 21.0090



12.3095, 10.4128, 47.8991



1.1838, 1.1190, 4.2438

Inverse Universe

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



74.7186, 71.8677, 82.6105



80.0923, 75.3565, 87.6614



81.3590, 88.5940, 75.1010



16.8225, 16.6119, 18.8119



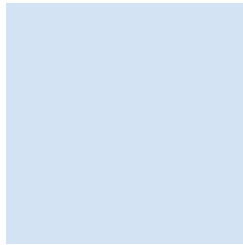
22.0178, 11.1505, 10.0679



1.9866, 1.0006, 1.1558

Previews

White Background



This preview shows how the XYZ color 70.9496, 75.4669, 96.4151 looks on a white background.

Color Contrast Check

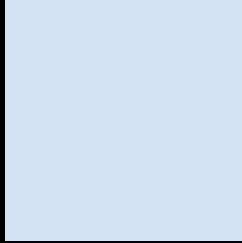
Large Text (above 18pt) WCAG AA × Fail

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 70.9496, 75.4669, 96.4151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

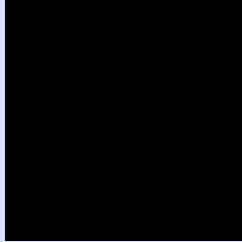
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

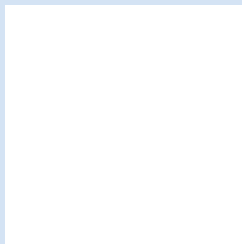
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9496, 75.4669, 96.4151

Background



This preview shows how black text looks on a background with the XYZ color 70.9496, 75.4669, 96.4151.



This preview shows how white text looks on a background with the XYZ color 70.9496, 75.4669,

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

70.9496, 75.4669, 96.4151

Protanopia

73.4231, 75.5694, 94.7209

Deuteranopia

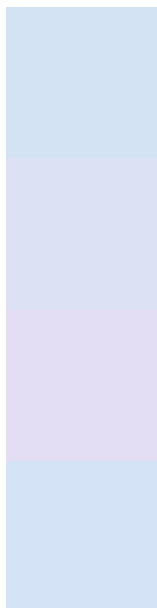
76.8911, 75.3214, 97.6747



Tritanopia

71.1019, 75.5278, 97.2171

Trichromacy



Original Color

70.9496, 75.4669, 96.4151

Protanomaly

72.6181, 75.5371, 95.5468

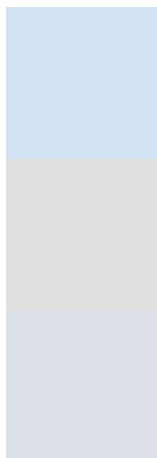
Deuteranomaly

74.5976, 75.3291, 96.9945

Tritanomaly

71.1019, 75.5278, 97.2171

Monochromacy



Original Color

70.9496, 75.4669, 96.4151

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.8642, 74.8356, 86.3111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9496, 75.4669, 96.4151 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, 227, 244)` looks like.

```
.text, #text, p{  
    color:rgb(212, 227, 244)  
}
```

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, 227, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 227, 244) }
```

Border

The CSS property to change the border of an element to XYZ 70.9496, 75.4669, 96.4151 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, 227, 244) }
```


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

```
.border{ border-color:rgb(212, 227, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 227, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 227, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 227, 244);  
box-shadow:4px 4px 4px 4px rgb(212, 227,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9496, 75.4669, 96.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 227, 244) }
```

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

```
.background{ background-color: rgb(212,  
227, 244) }
```

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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