

Converting Colors

XYZ(69.9919, 76.3034, 90.5055)

Have a look what the booklet for
XYZ(69.9919, 76.3034, 90.5055)
contains.

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Color

**XYZ(70.0155, 76.3514,
90.4040)**

Conversions

Conversions Part 1

Format	Color
Hex	D2E6EC
RGB	210, 230, 236
RGB Percent	82%, 90%, 93%
CMY	0.1765, 0.0980, 0.0745
CMYK	0.11, 0.03, 0.00, 0.07
HSL	194°, 41%, 87%
HSV	194°, 11%, 93%
XYZ	70.0155, 76.3514, 90.4040
YIQ	224.7040, -13.8460, -2.3740

Conversions

Conversions Part 2

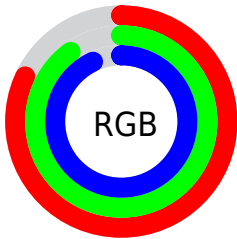
Format	Color
R _Y B	210, 221, 236
Decimal	13821676
CIE Lab	90.02, -5.43, -5.18
CIE LCh	90, 7.502, 223.676
Yxy	76.3514, 0.2957, 0.3225
Android (android.graphics.Color)	4292011756 (0xFFD2E6EC)
YUV	224.7040, 5.5689, -12.8954
Hunter-Lab	87.3793, -9.8848, -0.1769

Details

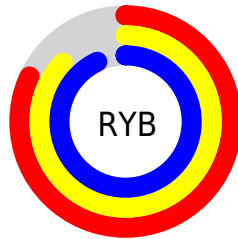
The XYZ color **70.0155, 76.3514, 90.4040** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.7813, 71.5975, 71.0633**, and the grayscale version is **71.3258, 75.0403, 81.7189**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0858, 40.9238, 49.1245** is the 20% darker color. If you saturate the color by 10%, you get **62.2950, 70.1595, 89.6170**, and if you desaturate by 10%, it is **78.7786, 83.1551, 91.2566**.

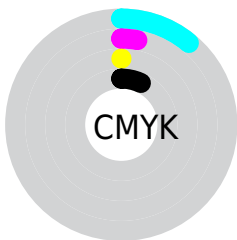
Distribution



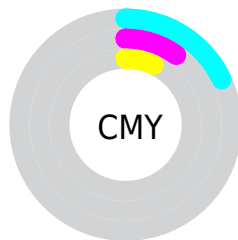
- Red (82%)
- Green (90%)
- Blue (93%)



- Red (82%)
- Yellow (87%)
- Blue (93%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (18%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0155, 76.3514, 90.4040 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 70.0155, 76.3514, 90.4040 by changing the saturation by 10% instead.

70.0155, 76.3514,
90.4040

70.0155, 76.3514,
90.4040

449.8700,
482.5498, 549.9481

51.8188, 56.7207,
67.7402

118.2570,
128.2235, 149.8399

37.0844, 40.7810,
49.2210

149.0325,
161.2337, 187.4490

25.4468, 28.1480,
34.4280

184.7317,
199.4725, 230.8769

16.5407, 18.4373,
22.9426

225.7199,
243.3244, 280.5422

10.0009, 11.2644,
14.3462

272.3625,
293.1736, 336.8635

5.4618, 6.2450,
8.2204

325.0248,

2.5582, 2.9946,

349.4047, 400.2592

4.1465

384.0722,
412.4019, 471.1479

■ 0.9247, 1.1289,
1.7060

■ 0.0000, 0.0025,
0.3649

■ 70.0155, 76.3514,
90.4040

■ 70.0155, 76.3514,
90.4040

■ 62.2950, 70.1595,
89.6170

■ 78.7786, 83.1551,
91.2566

■ 55.5667, 64.5468,
88.8882

■ 87.8037, 90.1626,
92.1335

■ 49.7862, 59.4916,
88.2171

■ 89.4382, 93.4315,
92.6783

■ 44.9027, 54.9670,
87.6012

■ 91.1212, 96.7976,
93.2393

■ 40.8605, 50.9439,
87.0377

■ 92.1406, 98.8362,
93.5791

■ 37.5974, 47.3894,
86.5236

■ 35.0423, 44.2661,
86.0554

■ 33.1099, 41.5295,
85.6290

■ 31.7805, 39.3361,
85.2757

Harmonies

Analogous

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



69.1523, 76.3514, 85.5771



70.0155, 76.3514, 90.4040



71.5698, 76.3514, 93.3481

Triad

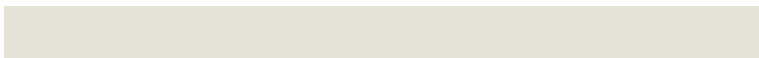
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0155, 76.3514, 90.4040



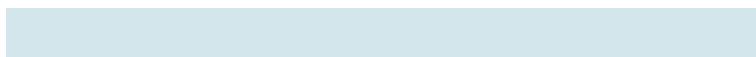
76.0538, 76.3514, 86.0438



71.7281, 76.3514, 73.5801

Complementary

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



70.0155, 76.3514, 90.4040



70.7813, 71.5975, 71.0633

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.



73.5789, 76.3514, 73.6930



70.0155, 76.3514, 90.4040



76.0979, 76.3514, 80.7373

Square

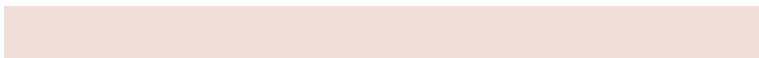
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.0155, 76.3514, 90.4040



75.0658, 76.3514, 90.7582



75.1853, 76.3514, 76.2640



70.1296, 76.3514, 75.9486

Rectangle

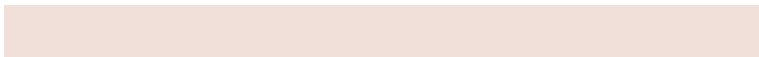
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



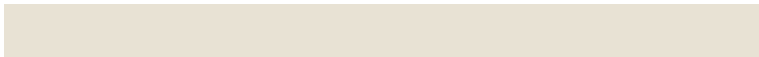
70.0155, 76.3514, 90.4040



72.7991, 76.3514, 93.7717



75.1853, 76.3514, 76.2640



72.3408, 76.3514, 73.3323

Sweetspot

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



70.0177, 76.3546, 90.4057



91.7310, 97.4573, 108.5841



68.9224, 78.6328, 76.2639



19.4486, 20.7168, 23.2237



0.0000, 0.0000, 0.0000



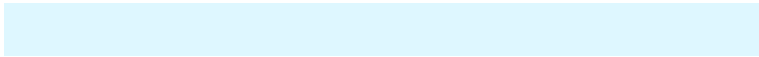
20.3446, 21.4041, 23.3091

Same Dimension

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



70.0177, 76.3546, 90.4057



81.4975, 89.4643, 107.5807



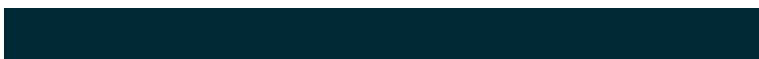
66.6275, 69.5741, 89.2756



15.2060, 16.4985, 19.3053



17.6206, 21.8882, 47.0391



1.4552, 1.8618, 3.7175

Inverse Universe

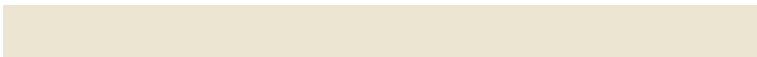
The Inverse Universe completely reimagines the original color for something new.



71.9234, 69.6408, 84.5179



84.1647, 80.1602, 99.3190



74.1442, 78.3233, 72.1842



15.5576, 15.2509, 18.2213



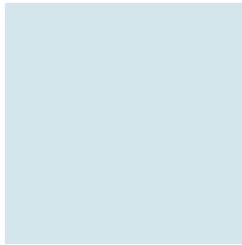
23.7494, 11.7024, 25.5452



1.9010, 0.9334, 2.1960

Previews

White Background



This preview shows how the XYZ color 70.0155, 76.3514, 90.4040 looks on a white background.

Color Contrast Check

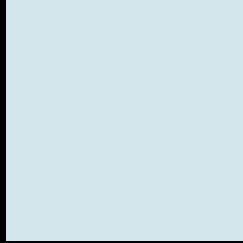
Large Text (above 18pt) WCAG AA × Fail

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 70.0155, 76.3514, 90.4040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

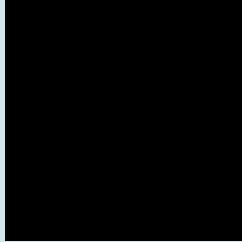
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.0155, 76.3514, 90.4040

Background



This preview shows how black text looks on a background with the XYZ color 70.0155, 76.3514, 90.4040.

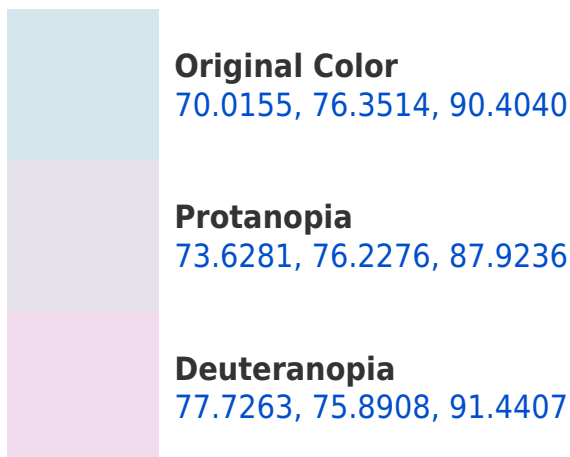


This preview shows how white text looks on a background with the XYZ color 70.0155, 76.3514,

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

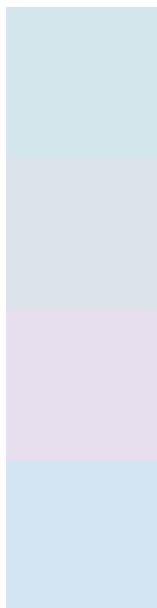




Tritanopia

71.5293, 76.1377, 98.1148

Trichromacy



Original Color

70.0155, 76.3514, 90.4040

Protanomaly

72.1392, 76.2508, 88.7576

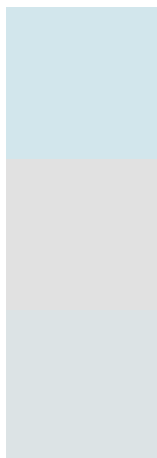
Deuteranomaly

74.6287, 75.8787, 90.8335

Tritanomaly

70.9103, 76.2983, 94.9941

Monochromacy



Original Color

70.0155, 76.3514, 90.4040

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.1271, 75.8110, 85.0129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0155, 76.3514, 90.4040 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(210, 230, 236)` looks like.

```
.text, #text, p{  
    color:rgb(210, 230, 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(210, 230, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 230, 236) }
```

Border

The CSS property to change the border of an element to XYZ 70.0155, 76.3514, 90.4040 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(210, 230, 236) }
```


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

```
.border{ border-color:rgb(210, 230, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 230, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 230, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 230, 236);  
box-shadow:4px 4px 4px 4px rgb(210, 230,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0155, 76.3514, 90.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 230, 236) }
```

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

```
.background{ background-color: rgb(210,  
230, 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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