

Converting Colors

XYZ(70.7476, 75.3923, 90.9543)

Have a look what the booklet for
XYZ(70.7476, 75.3923, 90.9543)
contains.

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Color

**XYZ(70.7795, 75.4997,
90.9632)**

Conversions

Conversions Part 1

Format	Color
Hex	D7E3ED
RGB	215, 227, 237
RGB Percent	84%, 89%, 93%
CMY	0.1569, 0.1098, 0.0706
CMYK	0.09, 0.04, 0.00, 0.07
HSL	207°, 38%, 89%
HSV	207°, 9%, 93%
XYZ	70.7795, 75.4997, 90.9632
YIQ	224.5520, -10.3620, 0.5660

Conversions

Conversions Part 2

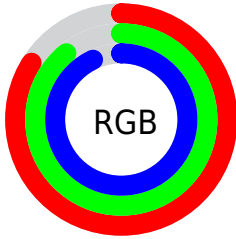
Format	Color
R _Y B	215, 223, 237
Decimal	14148589
CIE Lab	89.63, -2.08, -6.25
CIE LCh	90, 6.588, 251.562
Yxy	75.4997, 0.2983, 0.3182
Android (android.graphics.Color)	4292338669 (0xFFD7E3ED)
YUV	224.5520, 6.1369, -8.3771
Hunter-Lab	86.8906, -6.6556, -1.2456

Details

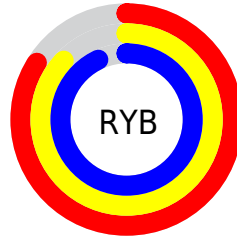
The XYZ color **70.7795, 75.4997, 90.9632** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.1163, 76.7607, 75.2013**, and the grayscale version is **71.2111, 74.9196, 81.5875**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5902, 40.3148, 49.5164** is the 20% darker color. If you saturate the color by 10%, you get **61.4645, 66.4628, 89.7110**, and if you desaturate by 10%, it is **81.2913, 85.4311, 92.3273**.

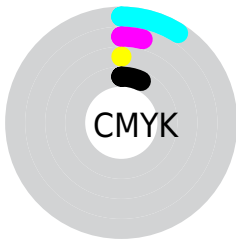
Distribution



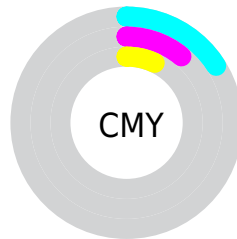
- Red (84%)
- Green (89%)
- Blue (93%)



- Red (84%)
- Yellow (87%)
- Blue (93%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)



- Cyan (16%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7795, 75.4997, 90.9632 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 70.7795, 75.4997, 90.9632 by changing the saturation by 10% instead.

■ 70.7795, 75.4997,
90.9632

■ 70.7795, 75.4997,
90.9632

452.5061,
479.6333, 551.8099

■ 52.4442, 56.0224,
68.2016

119.3399,
127.0195, 150.6228

■ 37.5849, 40.2209,
49.5940

150.2957,
159.8307, 188.3578

■ 25.8364, 27.7108,
34.7220

186.1891,
197.8553, 231.9211

■ 16.8334, 18.1078,
23.1670

227.3853,
241.4777, 281.7312

■ 10.2103, 11.0274,
14.5104

274.2497,
291.0823, 338.2065

■ 5.6020, 6.0853,
8.3337

327.1478,

■ 2.6429, 2.8970,

347.0535, 401.7658

4.2184

386.4448,
409.7758, 472.8274

■ 0.9679, 1.0782,
1.7459

■ 0.0000, 0.0000,
0.3919

■ 70.7795, 75.4997,
90.9632

■ 70.7795, 75.4997,
90.9632

■ 61.4645, 66.4628,
89.7110

■ 81.2913, 85.4311,
92.3273

■ 53.2932, 58.2820,
88.5627

■ 90.2610, 94.8440,
93.6714

■ 46.2181, 50.9298,
87.5164

■ 92.2863, 98.8945,
94.3465

■ 40.1856, 44.3733,
86.5689

■ 35.1372, 38.5769,
85.7161

■ 31.0081, 33.5016,
84.9541

■ 27.7246, 29.1037,
84.2783

■ 25.2002, 25.3325,
83.6834

■ 23.3012, 22.1128,
83.1620

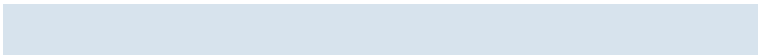
Harmonies

Analogous

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



69.4546, 75.4997, 88.2680



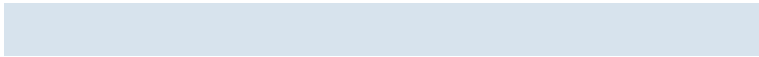
70.7795, 75.4997, 90.9632



72.3863, 75.4997, 91.2598

Triad

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



70.7795, 75.4997, 90.9632



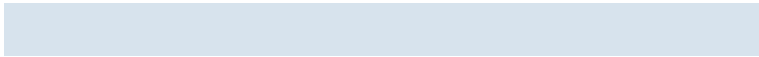
74.8554, 75.4997, 80.4312



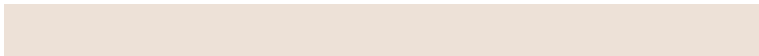
69.7134, 75.4997, 75.7103

Complementary

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



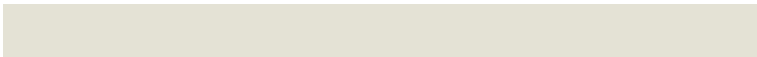
70.7795, 75.4997, 90.9632



74.1163, 76.7607, 75.2013

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.



71.1377, 75.4997, 73.7724



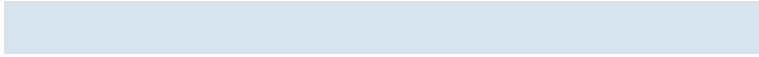
70.7795, 75.4997, 90.9632



74.1163, 75.4997, 76.4287

Square

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



70.7795, 75.4997, 90.9632



74.7560, 75.4997, 85.0603



72.7499, 75.4997, 74.0303



68.8455, 75.4997, 79.4170

Rectangle

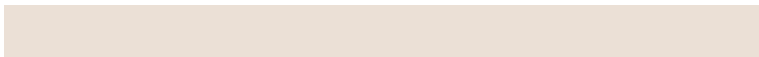
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.7795, 75.4997, 90.9632



73.4030, 75.4997, 90.0445



72.7499, 75.4997, 74.0303



70.1421, 75.4997, 74.8368

Sweetspot

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



70.7817, 75.5029, 90.9649



91.1924, 96.3800, 108.4046



71.8868, 80.4475, 82.9030



19.3030, 20.4257, 23.1751



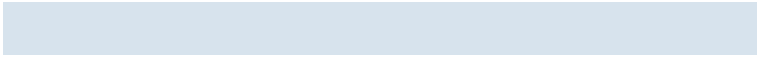
0.0000, 0.0000, 0.0000



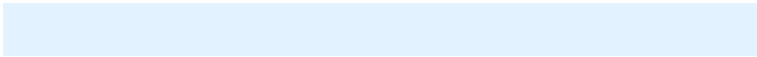
20.3446, 21.4041, 23.3091

Same Dimension

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



70.7817, 75.5029, 90.9649



81.5407, 87.1985, 107.1411



67.8932, 69.7259, 90.0020



14.9123, 15.9110, 19.2074



12.7869, 12.2208, 45.4279



1.1000, 1.1516, 3.5992

Inverse Universe

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



73.0924, 72.1530, 82.7513



84.7607, 82.5969, 95.6803



77.1587, 82.8454, 76.2154



15.4093, 15.1916, 17.4406



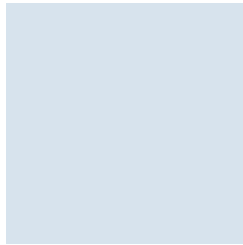
21.3095, 10.7265, 12.6972



1.7217, 0.8617, 1.2521

Previews

White Background



This preview shows how the XYZ color 70.7795, 75.4997, 90.9632 looks on a white background.

Color Contrast Check

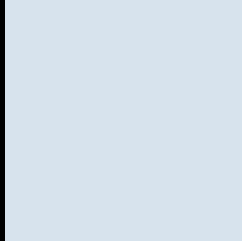
Large Text (above 18pt) WCAG AA × Fail

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 70.7795, 75.4997, 90.9632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

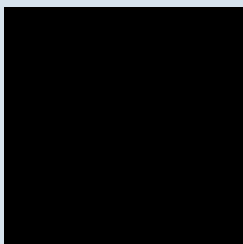
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

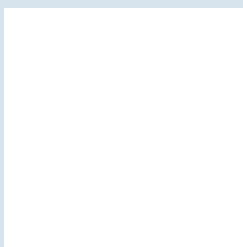
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7795, 75.4997, 90.9632

Background



This preview shows how black text looks on a background with the XYZ color 70.7795, 75.4997, 90.9632.



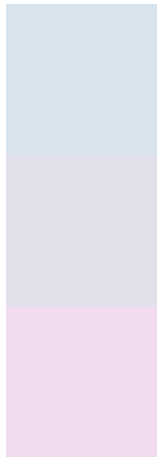
This preview shows how white text looks on a background with the XYZ color 70.7795, 75.4997,

90.9632.

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

70.7795, 75.4997, 90.9632

Protanopia

73.0151, 75.4782, 89.3177

Deuteranopia

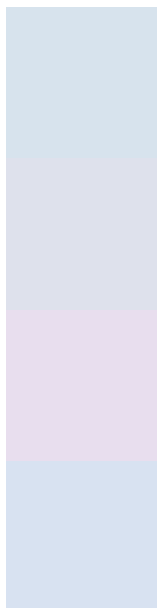
77.1871, 75.5958, 92.1846



Tritanopia

71.8444, 75.5233, 96.3788

Trichromacy



Original Color

70.7795, 75.4997, 90.9632

Protanomaly

72.1897, 75.4362, 90.1127

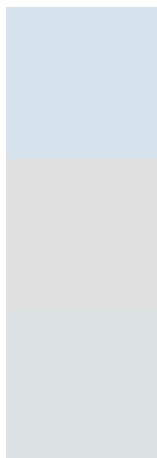
Deuteranomaly

74.8326, 75.5714, 91.5316

Tritanomaly

71.3924, 75.3425, 93.9989

Monochromacy



Original Color

70.7795, 75.4997, 90.9632

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.1580, 75.4220, 84.9362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7795, 75.4997, 90.9632 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(215, 227, 237) looks like.

```
.text, #text, p{  
    color:rgb(215, 227, 237)  
}
```

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(215, 227, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 227, 237) }
```

Border

The CSS property to change the border of an element to XYZ 70.7795, 75.4997, 90.9632 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(215, 227, 237) }
```


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

```
.border{ border-color:rgb(215, 227, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 227, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 227, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 227, 237);  
box-shadow:4px 4px 4px 4px rgb(215, 227,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7795, 75.4997, 90.9632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 227, 237) }
```

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

```
.background{ background-color: rgb(215,  
227, 237) }
```

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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