

Converting Colors

XYZ(70.2756, 75.4899,
102.7091)

Have a look what the booklet for
XYZ(70.2756, 75.4899, 102.7091)
contains.

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Color

**XYZ(70.2159, 75.3524,
102.9392)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE4FC
RGB	204, 228, 252
RGB Percent	80%, 89%, 99%
CMY	0.2000, 0.1059, 0.0118
CMYK	0.19, 0.10, 0.00, 0.01
HSL	210°, 89%, 89%
HSV	210°, 19%, 99%
XYZ	70.2159, 75.3524, 102.9392
YIQ	223.5600, -22.0080, 2.3760

Conversions

Conversions Part 2

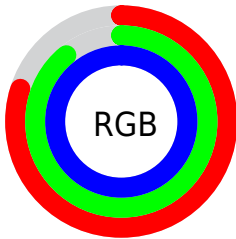
Format	Color
R _Y B	204, 220, 252
Decimal	13427964
CIE Lab	89.56, -2.99, -14.30
CIE LCh	90, 14.606, 258.174
Yxy	75.3524, 0.2826, 0.3032
Android (android.graphics.Color)	4291618044 (0xFFCCE4FC)
YUV	223.5600, 14.0209, -17.1541
Hunter-Lab	86.8058, -7.5241, -9.5454

Details

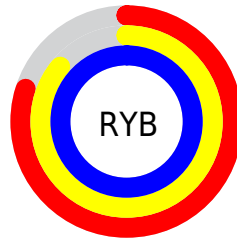
The XYZ color **70.2159, 75.3524, 102.9392** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.7881, 80.5420, 68.5219**, and the grayscale version is **70.4539, 74.1230, 80.7199**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1883, 40.2168, 57.4323** is the 20% darker color. If you saturate the color by 10%, you get **60.5197, 65.3965, 101.5298**, and if you desaturate by 10%, it is **81.2868, 86.3958, 104.4885**.

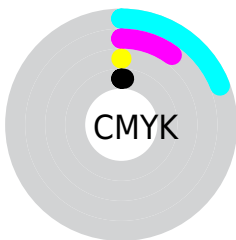
Distribution



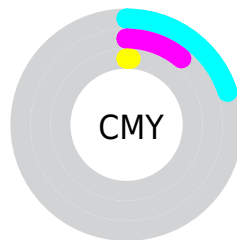
- Red (80%)
- Green (89%)
- Blue (99%)



- Red (80%)
- Yellow (86%)
- Blue (99%)



- Cyan (19%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)



- Cyan (20%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2159, 75.3524, 102.9392 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 70.2159, 75.3524, 102.9392 by changing the saturation by 10% instead.

70.2159, 75.3524,
102.9392

70.2159, 75.3524,
102.9392

450.5623,
479.1279, 590.9024

51.9828, 55.9016,
78.1269

118.5412,
126.8111, 167.2775

37.2156, 40.1241,
57.6612

149.3641,
159.5878, 207.6406

25.5489, 27.6353,
41.1234

185.1143,
197.5752, 254.0243

16.6174, 18.0509,
28.0951

226.1571,
241.1579, 306.8473

10.0557, 10.9865,
18.1577

272.8580,
290.7201, 366.5281

5.4984, 6.0578,
10.8927

325.5823,

2.5803, 2.8803,

346.6462, 433.4852

5.8814

384.6952,
409.3207, 508.1371

■ 0.9359, 1.0695,
2.7055

■ 0.0000, 0.0000,
0.9462

■ 70.2159, 75.3524,
102.9392

■ 70.2159, 75.3524,
102.9392

■ 60.5197, 65.3965,
101.5298

■ 81.2868, 86.3958,
104.4885

■ 52.1322, 56.4803,
100.2509

■ 93.7807, 98.5535,
106.1767

■ 44.9923, 48.5662,
99.0996

■ 94.5709, 99.8084,
106.3772

■ 39.0305, 41.6097,
98.0711

■ 34.1701, 35.5625,
97.1600

■ 30.3240, 30.3705,
96.3606

■ 27.3899, 25.9715,
95.6661

■ 25.2182, 22.2782,
95.0677

■ 25.0336, 21.9538,
95.0148

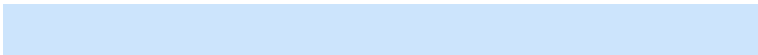
Harmonies

Analogous

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



67.1182, 75.3524, 97.6640



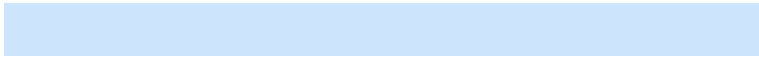
70.2159, 75.3524, 102.9392



73.7932, 75.3524, 102.2820

Triad

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



70.2159, 75.3524, 102.9392



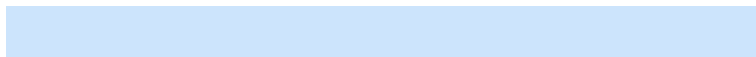
78.3755, 75.3524, 76.0375



66.6023, 75.3524, 69.5651

Complementary

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



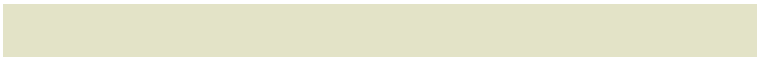
70.2159, 75.3524, 102.9392



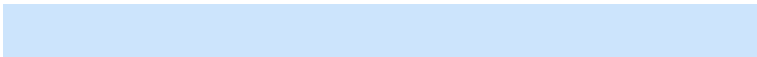
78.7881, 80.5420, 68.5219

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.



69.4903, 75.3524, 64.6722



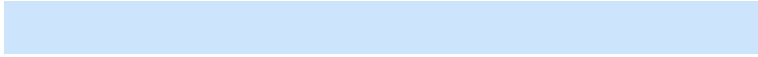
70.2159, 75.3524, 102.9392



76.3191, 75.3524, 68.1886

Square

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



70.2159, 75.3524, 102.9392



78.5857, 75.3524, 86.1613



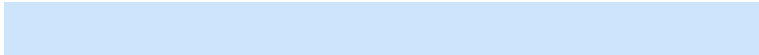
73.0431, 75.3524, 64.1903



65.0790, 75.3524, 78.0638

Rectangle

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



70.2159, 75.3524, 102.9392



75.9684, 75.3524, 98.5757



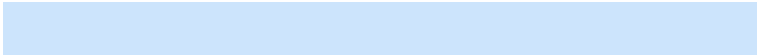
73.0431, 75.3524, 64.1903



67.4412, 75.3524, 67.4758

Sweetspot

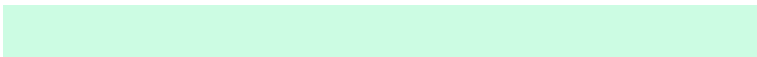
The Sweet Spot groups the original color and five complimentary colors.



70.2182, 75.3555, 102.9409



87.2516, 92.4291, 107.8497



73.6065, 88.0167, 85.9288



18.5007, 19.6127, 23.0605



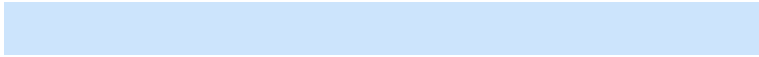
0.0000, 0.0000, 0.0000



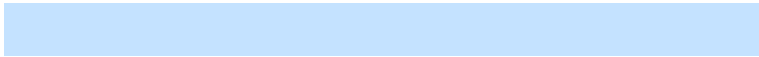
20.3446, 21.4041, 23.3091

Same Dimension

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



70.2182, 75.3555, 102.9409



68.0150, 73.2206, 105.1560



64.2576, 63.4343, 100.9540



17.0002, 18.0772, 21.9785



13.1876, 11.7307, 49.5428



1.3274, 1.2985, 4.6238

Inverse Universe

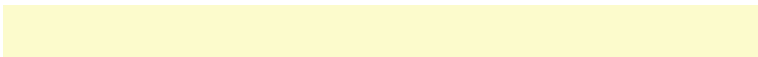
The Inverse Universe completely reimagines the original color for something new.



75.7432, 69.4844, 82.8219



74.7423, 66.3713, 80.5918



85.6050, 94.1758, 70.7943



17.6066, 17.3700, 19.7842



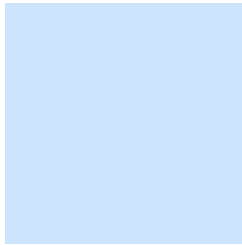
22.9485, 11.5951, 11.7032



2.1789, 1.0953, 1.3657

Previews

White Background



This preview shows how the XYZ color 70.2159, 75.3524, 102.9392 looks on a white background.

Color Contrast Check

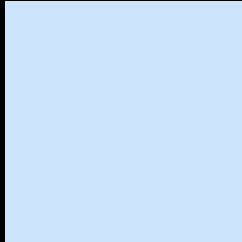
Large Text (above 18pt) WCAG AA × Fail

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 70.2159, 75.3524, 102.9392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

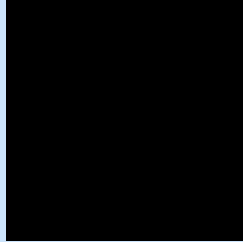
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

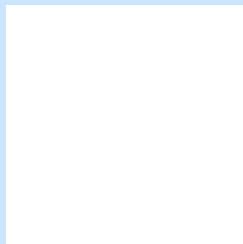
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2159, 75.3524, 102.9392

Background



This preview shows how black text looks on a background with the XYZ color 70.2159, 75.3524, 102.9392.

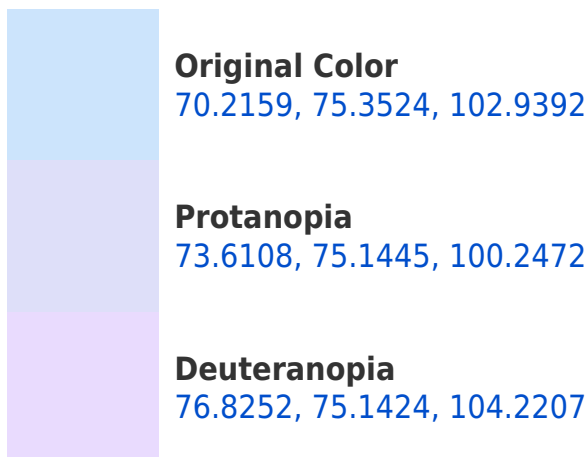


This preview shows how white text looks on a background with the XYZ color 70.2159, 75.3524,

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

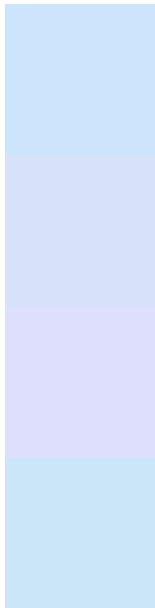




Tritanopia

69.4364, 75.4505, 98.8994

Trichromacy



Original Color

70.2159, 75.3524, 102.9392

Protanomaly

72.2049, 75.1996, 101.1519

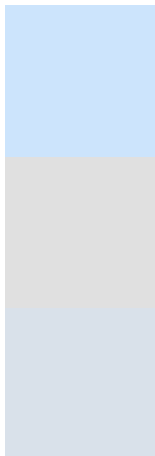
Deuteranomaly

73.9751, 74.8640, 103.4798

Tritanomaly

69.7468, 75.5747, 100.5339

Monochromacy



Original Color

70.2159, 75.3524, 102.9392

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.3918, 74.5427, 88.5200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2159, 75.3524, 102.9392 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(204, 228, 252) looks like.

```
.text, #text, p{  
    color:rgb(204, 228, 252)  
}
```

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(204, 228, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 228, 252) }
```

Border

The CSS property to change the border of an element to XYZ 70.2159, 75.3524, 102.9392 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(204, 228, 252) }
```


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

```
.border{ border-color:rgb(204, 228, 252) }
```

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

Here you see how a box with a 4 pixel rgb(204, 228, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 228, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 228, 252);  
box-shadow:4px 4px 4px 4px rgb(204, 228,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2159, 75.3524, 102.9392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 228, 252) }
```

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

```
.background{ background-color: rgb(204,  
228, 252) }
```

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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