

Converting Colors

XYZ(96.1832, 86.5160,
242.5145)

Have a look what the booklet for
XYZ(96.1832, 86.5160, 242.5145)
contains.

XYZ(70.1662, 76.0930, 105.5970)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.1662, 76.0930,
105.5970)**

Conversions

Conversions Part 1

Format	Color
Hex	C8E6FF
RGB	200, 230, 255
RGB Percent	78%, 90%, 100%
CMY	0.2157, 0.0980, 0.0000
CMYK	0.22, 0.10, 0.00, 0.00
HSL	207°, 100%, 89%
HSV	207°, 22%, 100%
XYZ	70.1662, 76.0930, 105.5970
YIQ	223.8800, -25.9050, 1.4150

Conversions

Conversions Part 2

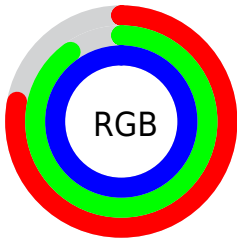
Format	Color
R _Y B	200, 219, 255
Decimal	13166335
CIE Lab	89.90, -4.59, -15.38
CIE LCh	90, 16.046, 253.394
Yxy	76.0930, 0.2786, 0.3021
Android (android.graphics.Color)	4291356415 (0xFFC8E6FF)
YUV	223.8800, 15.3422, -20.9428
Hunter-Lab	87.2313, -9.0748, -10.7110

Details

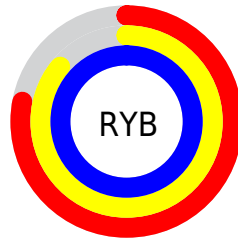
The XYZ color **70.1662, 76.0930, 105.5970** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.5903, 79.2795, 65.8055**, and the grayscale version is **70.6748, 74.3554, 80.9730**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2001, 40.7569, 59.3323** is the 20% darker color. If you saturate the color by 10%, you get **60.7971, 66.6351, 104.2653**, and if you desaturate by 10%, it is **80.8897, 86.5713, 107.0543**.

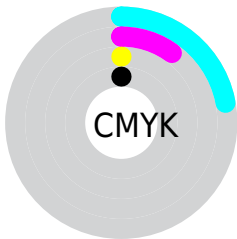
Distribution



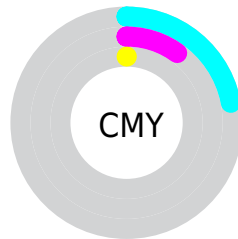
- Red (78%)
- Green (90%)
- Blue (100%)



- Red (78%)
- Yellow (86%)
- Blue (100%)



- Cyan (22%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1662, 76.0930, 105.5970 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 70.1662, 76.0930, 105.5970 by changing the saturation by 10% instead.

■ 70.1662, 76.0930,
105.5970

■ 70.1662, 76.0930,
105.5970

450.3907,
481.6660, 599.3912

■ 51.9421, 56.5088,
80.3402

118.4707,
127.8584, 170.9464

■ 37.1830, 40.6110,
59.4705

149.2819,
160.8083, 211.8761

■ 25.5236, 28.0152,
42.5695

185.0194,
198.9822, 258.8671

■ 16.5984, 18.3371,
29.2186

226.0487,
242.7646, 312.3380

■ 10.0421, 11.1923,
18.9992

272.7352,
292.5397, 372.7073

■ 5.4893, 6.1963,
11.4929

325.4440,

■ 2.5748, 2.9648,

348.6921, 440.3936

6.2811

384.5408,
411.6060, 515.8154

■ 0.9331, 1.1134,
2.9452

■ 0.0000, 0.0000,
1.0667

■ 70.1662, 76.0930,
105.5970

■ 70.1662, 76.0930,
105.5970

■ 60.7971, 66.6351,
104.2653

■ 80.8897, 86.5713,
107.0543

■ 52.7157, 58.1513,
103.0537

■ 93.0178, 98.0961,
108.6396

■ 45.8587, 50.6046,
101.9584

■ 95.0500, 100.0000,
108.9000

■ 40.1547, 43.9516,
100.9749

■ 35.5238, 38.1444,
100.0980

■ 31.8747, 33.1290,
99.3223

■ 29.0985, 28.8419,
98.6411

■ 27.2982, 25.7163,
98.1327

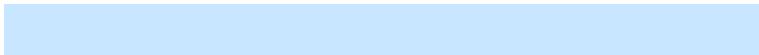
Harmonies

Analogous

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



66.9223, 76.0930, 98.7832



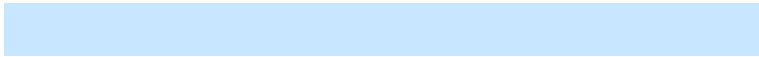
70.1662, 76.0930, 105.5970



74.1053, 76.0930, 105.9700

Triad

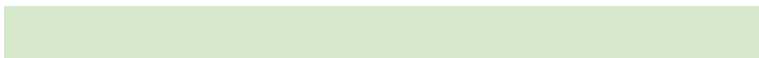
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.1662, 76.0930, 105.5970



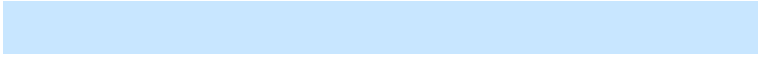
80.0004, 76.0930, 77.8947



67.2098, 76.0930, 67.9719

Complementary

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



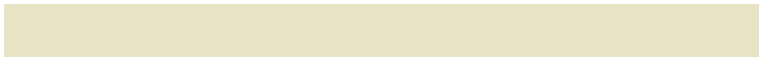
70.1662, 76.0930, 105.5970



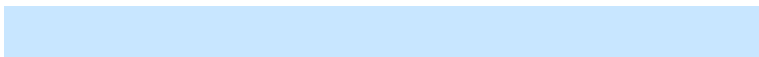
78.5903, 79.2795, 65.8055

Split Complementary

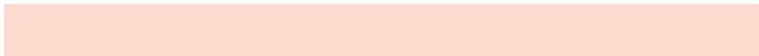
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.5717, 76.0930, 63.3679



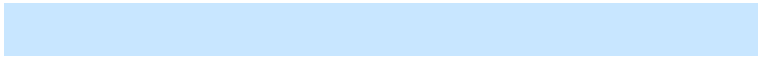
70.1662, 76.0930, 105.5970



78.0091, 76.0930, 68.7335

Square

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



70.1662, 76.0930, 105.5970



79.8821, 76.0930, 89.2530



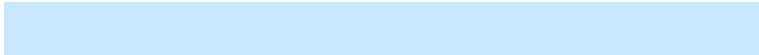
74.5258, 76.0930, 63.6333



65.2586, 76.0930, 76.7652

Rectangle

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



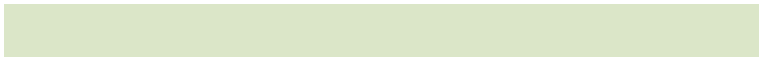
70.1662, 76.0930, 105.5970



76.6037, 76.0930, 102.4603



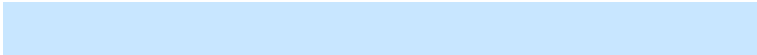
74.5258, 76.0930, 63.6333



68.2069, 76.0930, 65.9205

Sweetspot

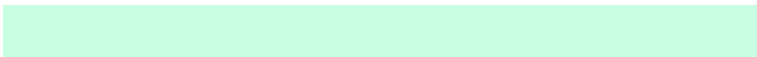
The Sweet Spot groups the original color and five complimentary colors.



70.1683, 76.0960, 105.5975



87.4651, 92.8562, 107.9209



73.1368, 89.2224, 84.4235



18.5511, 19.7136, 23.0773



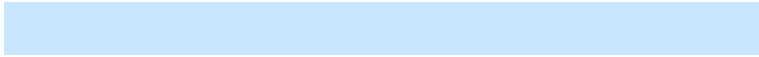
0.0000, 0.0000, 0.0000



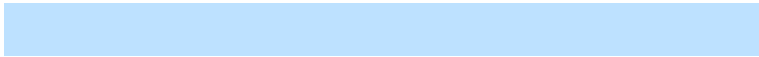
20.3446, 21.4041, 23.3091

Same Dimension

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



70.1683, 76.0960, 105.5975



65.8514, 71.7795, 104.9918



63.1677, 62.0948, 103.2639



17.8242, 19.0201, 22.9818



14.4152, 13.7399, 51.3269



1.5128, 1.5563, 5.0339

Inverse Universe

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



76.1785, 68.2832, 84.0313



72.9457, 62.9553, 79.4467



86.5546, 95.2083, 68.4603



18.4239, 18.1529, 20.8496



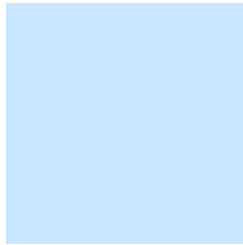
24.0643, 12.1150, 14.2550



2.3982, 1.2017, 1.6783

Previews

White Background



This preview shows how the XYZ color 70.1662, 76.0930, 105.5970 looks on a white background.

Color Contrast Check

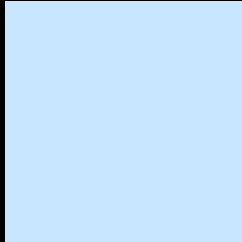
Large Text (above 18pt) WCAG AA × Fail

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 70.1662, 76.0930, 105.5970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

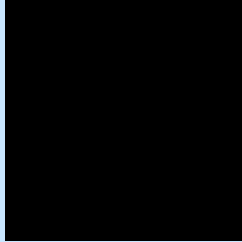
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

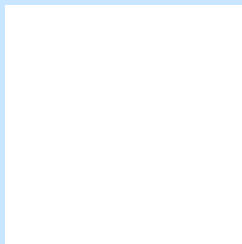
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1662, 76.0930, 105.5970

Background



This preview shows how black text looks on a background with the XYZ color 70.1662, 76.0930, 105.5970.



This preview shows how white text looks on a background with the XYZ color 70.1662, 76.0930,

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

70.1662, 76.0930, 105.5970

Protanopia

74.1924, 75.8059, 101.9884

Deuteranopia

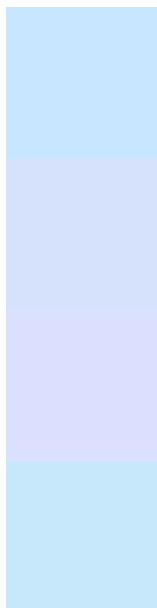
76.9219, 75.5622, 105.1385



Tritanopia

69.2280, 76.1335, 100.6691

Trichromacy



Original Color

70.1662, 76.0930, 105.5970

Protanomaly

72.4986, 75.7171, 102.8892

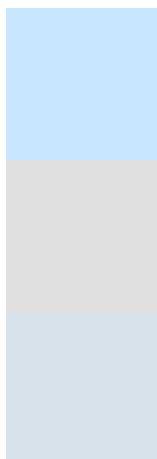
Deuteranomaly

74.2209, 75.7470, 105.3165

Tritanomaly

69.5417, 76.2590, 102.3210

Monochromacy



Original Color

70.1662, 76.0930, 105.5970

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.2161, 74.8379, 89.3416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1662, 76.0930, 105.5970 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(200, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 230, 255)  
}
```

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(200, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 230, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.1662, 76.0930, 105.5970 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(200, 230, 255) }
```


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

```
.border{ border-color:rgb(200, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 230,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1662, 76.0930, 105.5970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 230, 255) }
```

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

```
.background{ background-color: rgb(200,  
230, 255) }
```

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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