

Converting Colors

XYZ(71.6768, 76.2747,
105.5525)

Have a look what the booklet for
XYZ(71.6768, 76.2747, 105.5525)
contains.

XYZ(71.8014, 76.5240, 105.5940)	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(71.8014, 76.5240,
105.5940)**

Conversions

Conversions Part 1

Format	Color
Hex	CFE5FF
RGB	207, 229, 255
RGB Percent	81%, 90%, 100%
CMY	0.1882, 0.1019, 0.0000
CMYK	0.19, 0.10, 0.00, 0.00
HSL	212°, 100%, 91%
HSV	212°, 19%, 100%
XYZ	71.8014, 76.5240, 105.5940
YIQ	225.3860, -21.4580, 3.4220

Conversions

Conversions Part 2

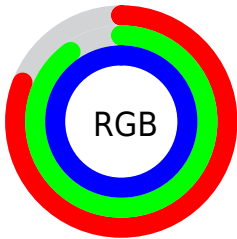
Format	Color
R_{YB}	207, 222, 255
Decimal	13624831
CIE _{Lab}	90.10, -1.96, -15.03
CIE _{LCh}	90, 15.159, 262.561
Yxy	76.5240, 0.2828, 0.3014
Android (android.graphics.Color)	4291814911 (0xFFCFE5FF)
YUV	225.3860, 14.5997, -16.1245
Hunter-Lab	87.4780, -6.5748, -10.3339

Details

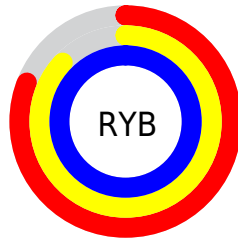
The XYZ color **71.8014, 76.5240, 105.5940** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.6411, 84.0417, 70.9518**, and the grayscale version is **71.7567, 75.4937, 82.2126**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2780, 41.0247, 59.3272** is the 20% darker color. If you saturate the color by 10%, you get **61.5740, 65.8044, 104.0640**, and if you desaturate by 10%, it is **83.4875, 88.4508, 107.2802**.

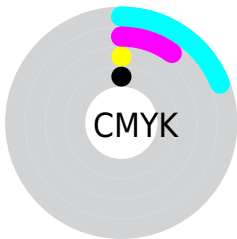
Distribution



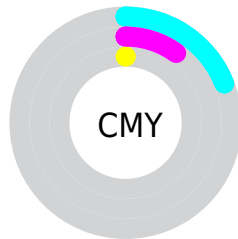
- Red (81%)
- Green (90%)
- Blue (100%)



- Red (81%)
- Yellow (87%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8014, 76.5240, 105.5940 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 71.8014, 76.5240, 105.5940 by changing the saturation by 10% instead.

71.8014, 76.5240,
105.5940

71.8014, 76.5240,
105.5940

456.0184,
483.1396, 599.3817

53.2813, 56.8623,
80.3377

120.7865,
128.4673, 170.9423

38.2558, 40.8947,
59.4684

151.9822,
161.5178, 211.8713

26.3594, 28.2368,
42.5678

188.1338,
199.7999, 258.8616

17.2268, 18.5042,
29.2173

229.6067,
243.6981, 312.3318

10.4926, 11.3126,
18.9983

276.7663,
293.5967, 372.7003

5.7915, 6.2775,
11.4922

329.9779,

2.7582, 3.0146,

349.8803, 440.3858

6.2806

389.6068,
412.9331, 515.8068

■ 1.0272, 1.1393,
2.9449

■ 0.0000, 0.0113,
1.0666

■ 71.8014, 76.5240,
105.5940

■ 71.8014, 76.5240,
105.5940

■ 61.5740, 65.8044,
104.0640

■ 83.4875, 88.4508,
107.2802

■ 52.7369, 56.2405,
102.6837

95.0500, 100.0000,
108.9000

■ 45.2253, 47.7898,
101.4485

■ 38.9661, 40.4037,
100.3527

■ 33.8788, 34.0287,
99.3903

■ 29.8720, 28.6055,
98.5547

■ 26.8388, 24.0662,
97.8384

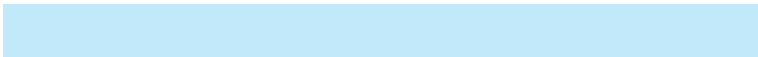
■ 24.6274, 20.3189,
97.2317

■ 24.3989, 19.9177,
97.1663

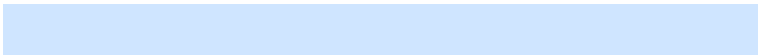
Harmonies

Analogous

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



68.4251, 76.5240, 100.8735



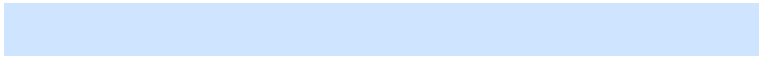
71.8014, 76.5240, 105.5940



75.5440, 76.5240, 103.9505

Triad

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



71.8014, 76.5240, 105.5940



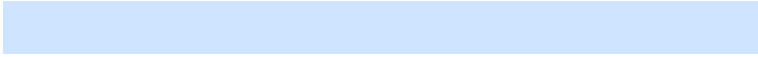
79.6192, 76.5240, 75.6247



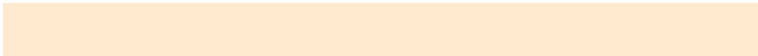
67.1411, 76.5240, 71.3535

Complementary

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



71.8014, 76.5240, 105.5940



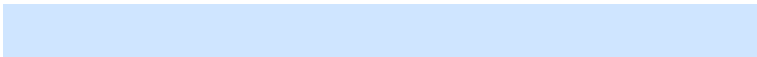
81.6411, 84.0417, 70.9518

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.



69.9941, 76.5240, 65.6202



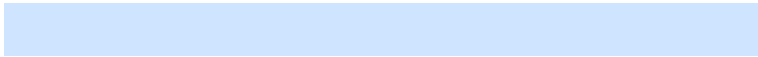
71.8014, 76.5240, 105.5940



77.2196, 76.5240, 67.9339

Square

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



71.8014, 76.5240, 105.5940



80.1435, 76.5240, 86.0322



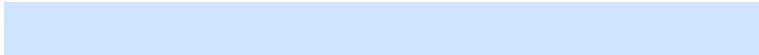
73.6742, 76.5240, 64.4244



65.7954, 76.5240, 80.6686

Rectangle

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



71.8014, 76.5240, 105.5940



77.7360, 76.5240, 99.5280



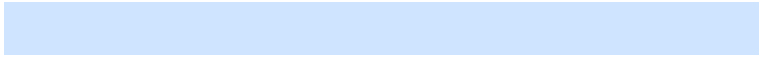
73.6742, 76.5240, 64.4244



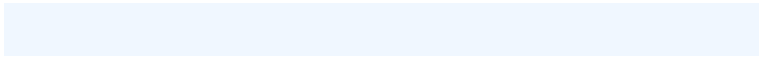
67.9508, 76.5240, 68.9776

Sweetspot

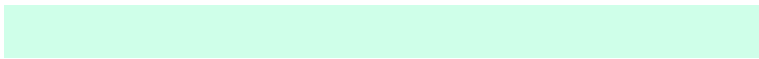
The Sweet Spot groups the original color and five complimentary colors.



71.8035, 76.5270, 105.5945



87.0567, 92.0393, 107.7847



76.1439, 90.6462, 90.2757



18.4546, 19.5206, 23.0451



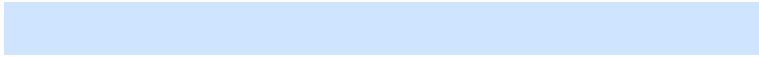
0.0000, 0.0000, 0.0000



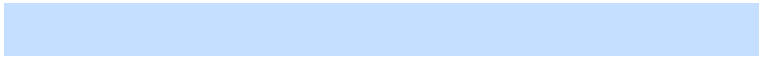
20.3446, 21.4041, 23.3091

Same Dimension

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



71.8035, 76.5270, 105.5945



67.3567, 71.9040, 104.9365



66.5456, 65.3443, 103.7131



17.6891, 18.7497, 22.9367



12.8942, 10.6980, 50.8199



1.3632, 1.2570, 4.9841

Inverse Universe

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



77.6970, 71.5443, 83.8466



74.4100, 66.2384, 78.8420



87.6766, 96.9829, 73.1316



18.3557, 18.1256, 20.4902



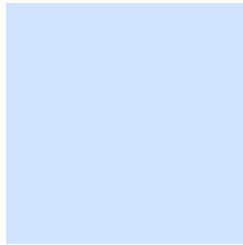
23.2966, 11.8079, 10.2123



2.3227, 1.1714, 1.2806

Previews

White Background



This preview shows how the XYZ color 71.8014, 76.5240, 105.5940 looks on a white background.

Color Contrast Check

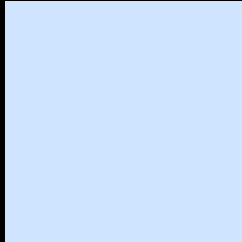
Large Text (above 18pt) WCAG AA × Fail

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 71.8014, 76.5240, 105.5940 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

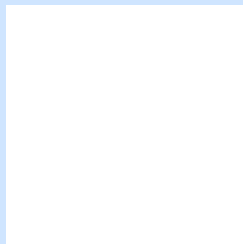
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.8014, 76.5240, 105.5940

Background



This preview shows how black text looks on a background with the XYZ color 71.8014, 76.5240, 105.5940.



This preview shows how white text looks on a background with the XYZ color 71.8014, 76.5240,

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

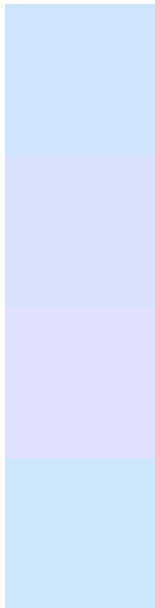




Tritanopia

70.6937, 76.4928, 99.8456

Trichromacy



Original Color

71.8014, 76.5240, 105.5940

Protanomaly

73.5413, 76.2363, 103.7675

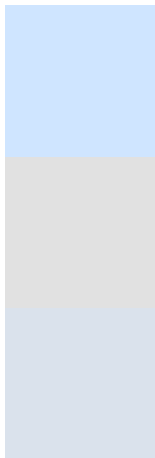
Deuteranomaly

75.4461, 76.3786, 105.3738

Tritanomaly

71.1630, 76.6805, 102.3169

Monochromacy



Original Color

71.8014, 76.5240, 105.5940

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.2501, 75.3543, 90.1464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8014, 76.5240, 105.5940 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(207, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 229, 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(207, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.8014, 76.5240, 105.5940 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(207, 229, 255) }
```


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

```
.border{ border-color:rgb(207, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8014, 76.5240, 105.5940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 229, 255) }
```

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

```
.background{ background-color: rgb(207,  
229, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor