

Converting Colors

XYZ(71.1548, 76.4633,
105.6164)

Have a look what the booklet for
XYZ(71.1548, 76.4633, 105.6164)
contains.

XYZ(71.2487, 76.6510, 105.6477)	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(71.2487, 76.6510,
105.6477)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE6FF
RGB	204, 230, 255
RGB Percent	80%, 90%, 100%
CMY	0.2000, 0.0980, 0.0000
CMYK	0.20, 0.10, 0.00, 0.00
HSL	209°, 100%, 90%
HSV	209°, 20%, 100%
XYZ	71.2487, 76.6510, 105.6477
YIQ	225.0760, -23.5210, 2.2630

Conversions

Conversions Part 2

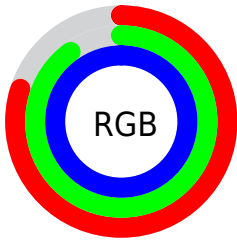
Format	Color
RYB	204, 221, 255
Decimal	13428479
CIELab	90.16, -3.39, -14.96
CIElCh	90, 15.342, 257.246
Yxy	76.6510, 0.2810, 0.3023
Android (android.graphics.Color)	4291618559 (0xFFCCE6FF)
YUV	225.0760, 14.7525, -18.4837
Hunter-Lab	87.5506, -7.9501, -10.2602

Details

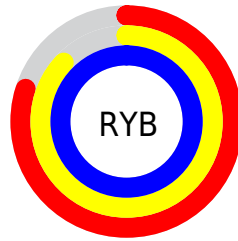
The XYZ color **71.2487, 76.6510, 105.6477** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.1583, 81.6574, 68.6652**, and the grayscale version is **71.5339, 75.2592, 81.9573**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9174, 41.1267, 59.3659** is the 20% darker color. If you saturate the color by 10%, you get **61.4693, 66.6317, 104.2292**, and if you desaturate by 10%, it is **82.4259, 87.7650, 107.2038**.

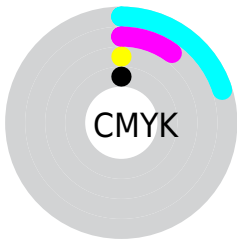
Distribution



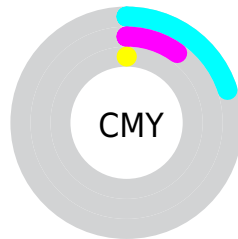
- Red (80%)
- Green (90%)
- Blue (100%)



- Red (80%)
- Yellow (87%)
- Blue (100%)



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2487, 76.6510, 105.6477 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 71.2487, 76.6510, 105.6477 by changing the saturation by 10% instead.

■ 71.2487, 76.6510,
105.6477

■ 71.2487, 76.6510,
105.6477

454.1207,
483.5733, 599.5526

■ 52.8284, 56.9665,
80.3824

120.0044,
128.6467, 171.0163

■ 37.8928, 40.9783,
59.5051

151.0705,
161.7267, 211.9567

■ 26.0763, 28.3022,
42.5971

187.0826,
200.0406, 258.9593

■ 17.0137, 18.5536,
29.2401

228.4061,
243.9729, 312.4424

■ 10.3396, 11.3481,
19.0154

275.4063,
293.9079, 372.8248

■ 5.6887, 6.3015,
11.5045

328.4485,

■ 2.6956, 3.0293,

350.2300, 440.5249

6.2888

387.8982,
413.3237, 515.9613

■ 0.9949, 1.1470,
2.9499

■ 0.0000, 0.0178,
1.0691

■ 71.2487, 76.6510,
105.6477

■ 71.2487, 76.6510,
105.6477

■ 61.4693, 66.6317,
104.2292

■ 82.4259, 87.7650,
107.2038

■ 53.0207, 57.6591,
102.9426

95.0500, 100.0000,
108.9000

■ 45.8392, 49.6942,
101.7837

■ 39.8534, 42.6920,
100.7476

■ 34.9835, 36.6029,
99.8290

■ 31.1392, 31.3714,
99.0218

■ 28.2134, 26.9331,
98.3193

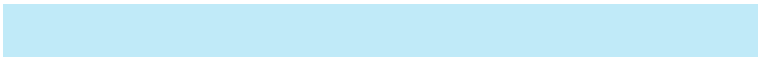
■ 26.0350, 23.1900,
97.7117

■ 26.0348, 23.1896,
97.7116

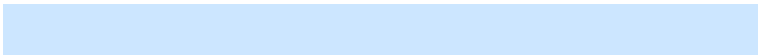
Harmonies

Analogous

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



67.9923, 76.6510, 99.8378



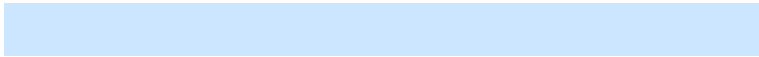
71.2487, 76.6510, 105.6477



75.0487, 76.6510, 105.1502

Triad

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



71.2487, 76.6510, 105.6477



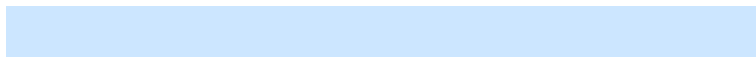
80.0794, 76.6510, 77.3912



67.6051, 76.6510, 70.0084

Complementary

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



71.2487, 76.6510, 105.6477



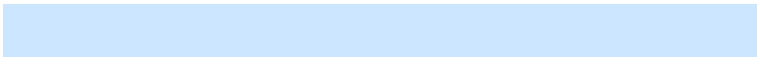
80.1583, 81.6574, 68.6652

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.



70.7034, 76.6510, 64.9785



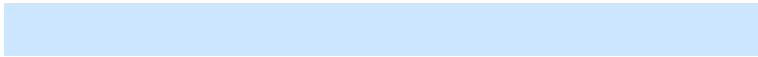
71.2487, 76.6510, 105.6477



77.9431, 76.6510, 68.9789

Square

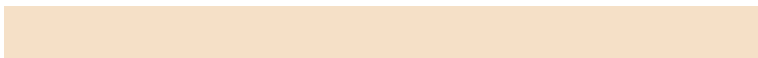
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.2487, 76.6510, 105.6477



80.2379, 76.6510, 88.1792



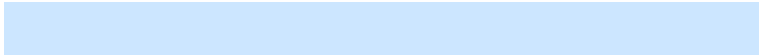
74.4842, 76.6510, 64.6188



65.9385, 76.6510, 78.9121

Rectangle

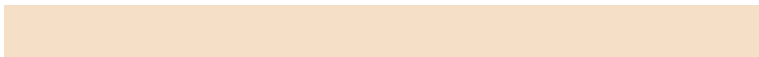
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.2487, 76.6510, 105.6477



77.3803, 76.6510, 101.3056



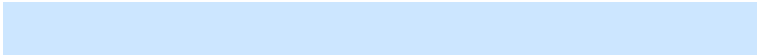
74.4842, 76.6510, 64.6188



68.5087, 76.6510, 67.8436

Sweetspot

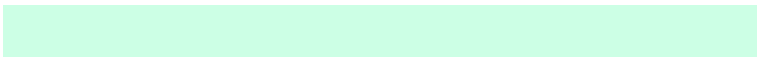
The Sweet Spot groups the original color and five complimentary colors.



71.2508, 76.6540, 105.6481



87.2976, 92.5212, 107.8650



74.7569, 89.9955, 87.3046



18.5115, 19.6344, 23.0641



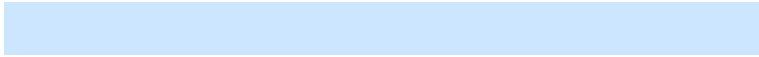
0.0000, 0.0000, 0.0000



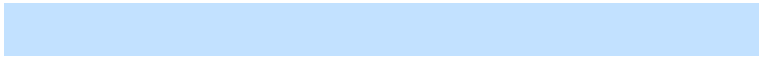
20.3446, 21.4041, 23.3091

Same Dimension

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



71.2508, 76.6540, 105.6481



67.1731, 72.5154, 105.0642



64.7488, 63.6501, 103.4808



17.7687, 18.9091, 22.9633



13.7537, 12.4170, 51.1064



1.4485, 1.4277, 5.0125

Inverse Universe

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



77.1171, 70.1606, 84.3442



74.0784, 65.1911, 79.9158



87.6289, 96.5987, 71.1555



18.3959, 18.1417, 20.7020



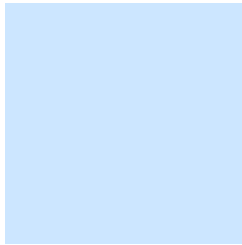
23.7304, 11.9815, 12.4968



2.3657, 1.1887, 1.5074

Previews

White Background



This preview shows how the XYZ color 71.2487, 76.6510, 105.6477 looks on a white background.

Color Contrast Check

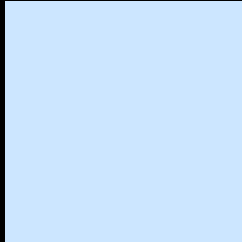
Large Text (above 18pt) WCAG AA × Fail

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 71.2487, 76.6510, 105.6477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

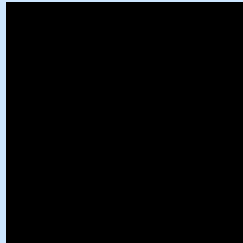
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

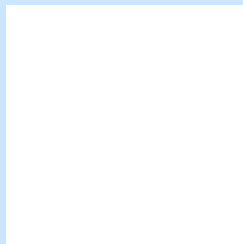
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.2487, 76.6510, 105.6477

Background



This preview shows how black text looks on a background with the XYZ color 71.2487, 76.6510, 105.6477.



This preview shows how white text looks on a background with the XYZ color 71.2487, 76.6510,

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

71.2487, 76.6510, 105.6477

Protanopia

74.9273, 76.5667, 102.9252

Deuteranopia

77.8381, 76.4253, 105.2568



Tritanopia

70.3034, 76.6879, 100.7194

Trichromacy



Original Color

71.2487, 76.6510, 105.6477

Protanomaly

73.5176, 76.6289, 103.8446

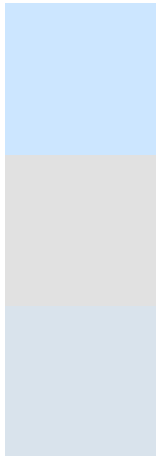
Deuteranomaly

75.1371, 76.2193, 105.3594

Tritanomaly

70.6171, 76.8134, 102.3713

Monochromacy



Original Color

71.2487, 76.6510, 105.6477

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.2247, 75.7460, 90.2234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2487, 76.6510, 105.6477 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, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 230, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.2487, 76.6510, 105.6477 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, 230, 255) }
```


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

```
.border{ border-color:rgb(204, 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(204, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 230,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2487, 76.6510, 105.6477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 230, 255) }
```

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

```
.background{ background-color: rgb(204,  
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](#).

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