

Converting Colors

XYZ(80.0260, 80.1715,
178.1619)

Have a look what the booklet for
XYZ(80.0260, 80.1715, 178.1619)
contains.

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Color

**XYZ(66.1544, 74.4391,
105.4892)**

Conversions

Conversions Part 1

Format	Color
Hex	B7E7FF
RGB	183, 231, 255
RGB Percent	72%, 91%, 100%
CMY	0.2823, 0.0941, 0.0000
CMYK	0.28, 0.09, 0.00, 0.00
HSL	200°, 100%, 86%
HSV	200°, 28%, 100%
XYZ	66.1544, 74.4391, 105.4892
YIQ	219.3840, -36.3120, -2.7120

Conversions

Conversions Part 2

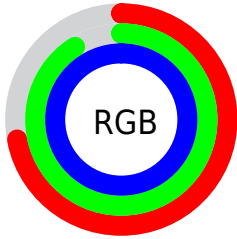
Format	Color
R _Y B	183, 212, 255
Decimal	12052479
CIE _{Lab}	89.13, -10.04, -16.64
CIE _{LCh}	89, 19.434, 238.907
Y _{xy}	74.4391, 0.2688, 0.3025
Android (android.graphics.Color)	4290242559 (0xFFB7E7FF)
YUV	219.3840, 17.5587, -31.9088
Hunter-Lab	86.2781, -14.1204, -12.0971

Details

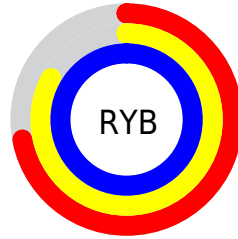
The XYZ color **66.1544, 74.4391, 105.4892** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.1003, 69.3044, 54.3787**, and the grayscale version is **67.5002, 71.0155, 77.3358**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **34.4251, 39.3264, 59.2024** is the 20% darker color. If you saturate the color by 10%, you get **58.3088, 66.9503, 104.4572**, and if you desaturate by 10%, it is **75.2183, 82.7311, 106.6120**.

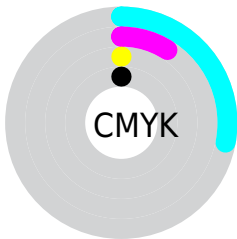
Distribution



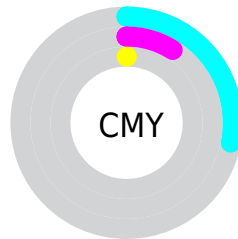
- Red (72%)
- Green (91%)
- Blue (100%)



- Red (72%)
- Yellow (83%)
- Blue (100%)



- Cyan (28%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1544, 74.4391, 105.4892 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 66.1544, 74.4391, 105.4892 by changing the saturation by 10% instead.

66.1544, 74.4391,
105.4892

66.1544, 74.4391,
105.4892

436.4088,
475.9875, 599.0482

48.6659, 55.1535,
80.2503

112.7644,
125.5181, 170.7978

34.5680, 39.5246,
59.3970

142.6167,
158.0802, 211.7046

23.4952, 27.1681,
42.5107

177.3209,
195.8367, 258.6711

15.0823, 17.6995,
29.1728

217.2424,
239.1719, 312.1158

8.9639, 10.7345,
18.9649

262.7466,
288.4701, 372.4574

4.7745, 5.8886,
11.4683

314.1988,

2.1490, 2.7774,

344.1159, 440.1142

6.2647

371.9644,
406.4935, 515.5050

■ 0.7156, 1.0167,
2.9353

■ 0.0000, 0.0000,
1.0617

■ 66.1544, 74.4391,
105.4892

■ 66.1544, 74.4391,
105.4892

■ 58.3088, 66.9503,
104.4572

■ 75.2183, 82.7311,
106.6120

■ 51.6145, 60.2223,
103.5114

■ 85.5509, 91.8492,
107.8274

■ 46.0069, 54.2210,
102.6486

95.0500, 100.0000,
108.9000

■ 41.4119, 48.9060,
101.8649

■ 37.7456, 44.2312,
101.1558

■ 34.9090, 40.1430,
100.5162

■ 32.7662, 36.5687,
99.9392

■ 32.4268, 35.9736,
99.8423

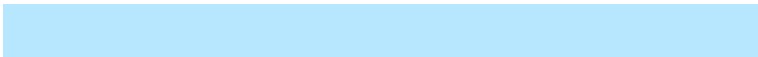
Harmonies

Analogous

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



63.0787, 74.4391, 94.3184



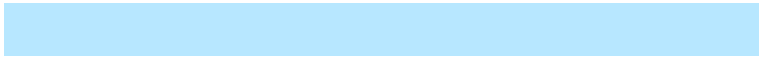
66.1544, 74.4391, 105.4892



70.5787, 74.4391, 110.0115

Triad

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



66.1544, 74.4391, 105.4892



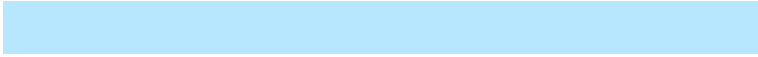
80.2494, 74.4391, 81.5497



66.4423, 74.4391, 60.3042

Complementary

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



66.1544, 74.4391, 105.4892



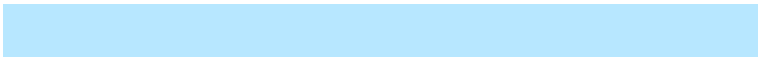
72.1003, 69.3044, 54.3787

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.



70.9259, 74.4391, 57.6800



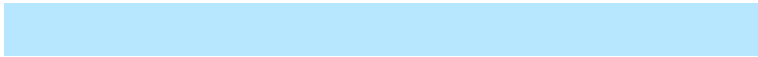
66.1544, 74.4391, 105.4892



79.0240, 74.4391, 69.0910

Square

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



66.1544, 74.4391, 105.4892



78.8372, 74.4391, 95.2743



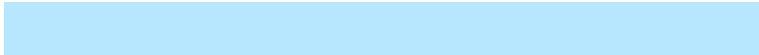
75.5581, 74.4391, 60.7134



63.2396, 74.4391, 68.3197

Rectangle

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



66.1544, 74.4391, 105.4892



73.7431, 74.4391, 108.3019



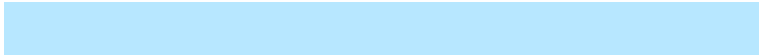
75.5581, 74.4391, 60.7134



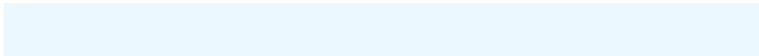
67.8432, 74.4391, 58.8047

Sweetspot

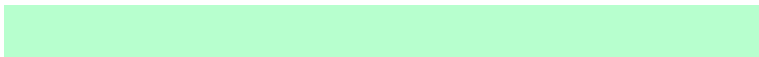
The Sweet Spot groups the original color and five complimentary colors.



66.1564, 74.4420, 105.4897



85.8082, 92.0726, 107.8569



66.4059, 86.0344, 71.3731



18.0149, 19.4015, 23.0453



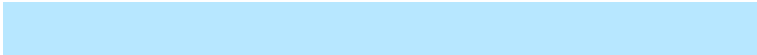
0.0000, 0.0000, 0.0000



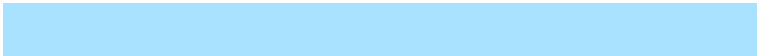
20.3446, 21.4041, 23.3091

Same Dimension

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



66.1564, 74.4420, 105.4897



61.4870, 70.0270, 104.8836



57.3650, 56.8592, 102.5592



18.0149, 19.4015, 23.0453



17.0867, 19.0830, 52.2174



1.7642, 2.0591, 5.1177

Inverse Universe

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



72.5987, 60.8982, 83.5327



69.0398, 54.8729, 78.9789



81.4805, 88.0647, 57.5054



18.5202, 18.1914, 21.3564



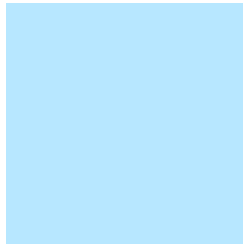
25.4128, 12.6544, 21.3559



2.5251, 1.2524, 2.3466

Previews

White Background



This preview shows how the XYZ color 66.1544, 74.4391, 105.4892 looks on a white background.

Color Contrast Check

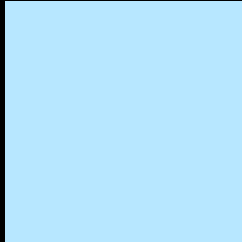
Large Text (above 18pt) WCAG AA × Fail

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 66.1544, 74.4391, 105.4892 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

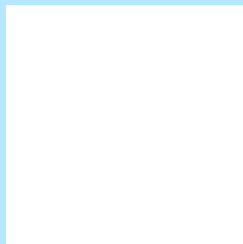
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.1544, 74.4391, 105.4892

Background



This preview shows how black text looks on a background with the XYZ color 66.1544, 74.4391, 105.4892.



This preview shows how white text looks on a background with the XYZ color 66.1544, 74.4391,

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

66.1544, 74.4391, 105.4892

Protanopia

72.7354, 74.2977, 100.1299

Deuteranopia

75.1163, 73.8568, 104.9045



Tritanopia

65.4033, 74.5604, 101.3870

Trichromacy



Original Color

66.1544, 74.4391, 105.4892

Protanomaly

70.0699, 74.0809, 101.8727

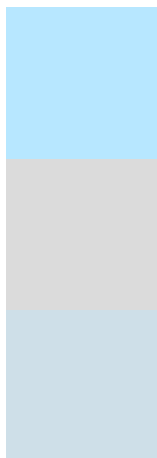
Deuteranomaly

71.5891, 73.9924, 105.1166

Tritanomaly

65.7187, 74.6866, 103.0477

Monochromacy



Original Color

66.1544, 74.4391, 105.4892

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.4068, 71.7234, 86.6879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1544, 74.4391, 105.4892 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(183, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 231, 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(183, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.1544, 74.4391, 105.4892 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(183, 231, 255) }
```


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

```
.border{ border-color:rgb(183, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1544, 74.4391, 105.4892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 231, 255) }
```

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

```
.background{ background-color: rgb(183,  
231, 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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