

Converting Colors

XYZ(74.7736, 78.4833,
148.4653)

Have a look what the booklet for
XYZ(74.7736, 78.4833, 148.4653)
contains.

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Color

**XYZ(66.4351, 75.0005,
105.5828)**

Conversions

Conversions Part 1

Format	Color
Hex	B7E8FF
RGB	183, 232, 255
RGB Percent	72%, 91%, 100%
CMY	0.2823, 0.0902, 0.0000
CMYK	0.28, 0.09, 0.00, 0.00
HSL	199°, 100%, 86%
HSV	199°, 28%, 100%
XYZ	66.4351, 75.0005, 105.5828
YIQ	219.9710, -36.5870, -3.2350

Conversions

Conversions Part 2

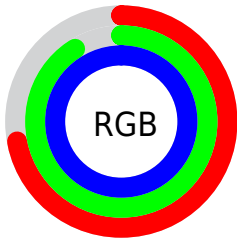
Format	Color
RYB	183, 212, 255
Decimal	12052735
CIELab	89.39, -10.55, -16.25
CIElCh	89, 19.369, 237.009
Yxy	75.0005, 0.2689, 0.3036
Android (android.graphics.Color)	4290242815 (0xFFB7E8FF)
YUV	219.9710, 17.2693, -32.4236
Hunter-Lab	86.6028, -14.6233, -11.6621

Details

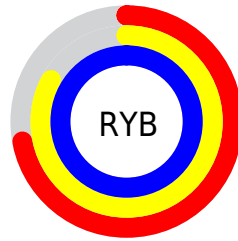
The XYZ color **66.4351, 75.0005, 105.5828** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.8587, 68.8213, 54.2982**, and the grayscale version is **67.9107, 71.4473, 77.8061**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **34.6205, 39.7171, 59.2676** is the 20% darker color. If you saturate the color by 10%, you get **58.6710, 67.6748, 104.5780**, and if you desaturate by 10%, it is **75.4082, 83.1110, 106.6753**.

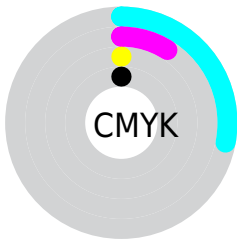
Distribution



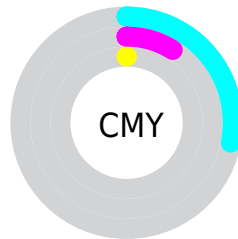
- Red (72%)
- Green (91%)
- Blue (100%)



- 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 66.4351, 75.0005, 105.5828 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 66.4351, 75.0005, 105.5828 by changing the saturation by 10% instead.

■ 66.4351, 75.0005,
105.5828

■ 66.4351, 75.0005,
105.5828

437.3955,
477.9193, 599.3461

■ 48.8947, 55.6133,
80.3283

■ 113.1649,
126.3131, 170.9268

■ 34.7501, 39.8930,
59.4608

143.0849,
159.0072, 211.8535

■ 23.6361, 27.4551,
42.5617

177.8623,
196.9058, 258.8413

■ 15.1872, 17.9153,
29.2125

217.8623,
240.3933, 312.3087

■ 9.0380, 10.8892,
18.9947

263.4502,
289.8539, 372.6744

■ 4.8233, 5.9924,
11.4897

314.9915,

■ 2.1776, 2.8404,

345.6722, 440.3568

6.2789

372.8515,
408.2326, 515.7745

■ 0.7309, 1.0490,
2.9439

■ 0.0000, 0.0000,
1.0661

■ 66.4351, 75.0005,
105.5828

■ 66.4351, 75.0005,
105.5828

■ 58.6710, 67.6748,
104.5780

■ 75.4082, 83.1110,
106.6753

■ 52.0492, 61.0916,
103.6563

■ 85.6407, 92.0286,
107.8573

■ 46.5051, 55.2176,
102.8147

95.0500, 100.0000,
108.9000

■ 41.9651, 50.0125,
102.0493

■ 38.3454, 45.4307,
101.3557

■ 35.5471, 41.4192,
100.7289

■ 33.4347, 37.9057,
100.1621

■ 33.0998, 37.3197,
100.0666

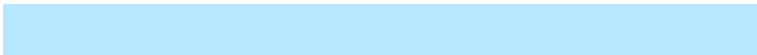
Harmonies

Analogous

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



63.4666, 75.0005, 94.1053



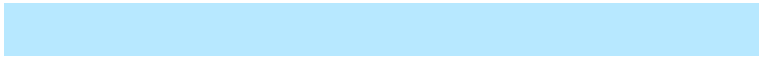
66.4351, 75.0005, 105.5828



70.8110, 75.0005, 110.6159

Triad

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



66.4351, 75.0005, 105.5828



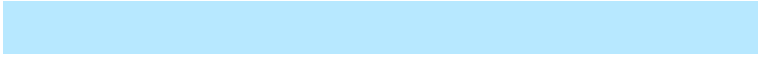
80.7848, 75.0005, 83.0331



67.2245, 75.0005, 60.5363

Complementary

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



66.4351, 75.0005, 105.5828



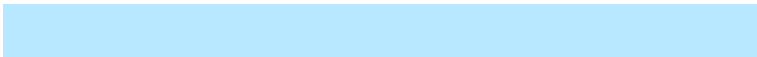
71.8587, 68.8213, 54.2982

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.



71.7626, 75.0005, 58.2617



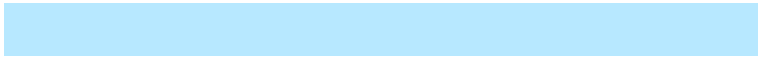
66.4351, 75.0005, 105.5828



79.7221, 75.0005, 70.3684

Square

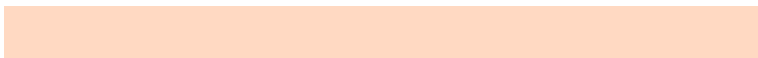
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



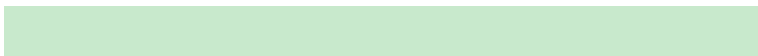
66.4351, 75.0005, 105.5828



79.2105, 75.0005, 96.7235



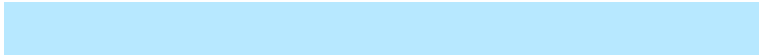
76.3669, 75.0005, 61.6594



63.9080, 75.0005, 68.2527

Rectangle

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



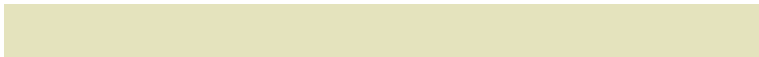
66.4351, 75.0005, 105.5828



73.9864, 75.0005, 109.2666



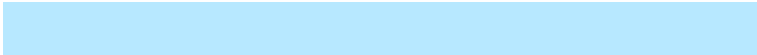
76.3669, 75.0005, 61.6594



68.6516, 75.0005, 59.1498

Sweetspot

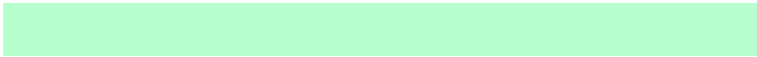
The Sweet Spot groups the original color and five complimentary colors.



66.4371, 75.0034, 105.5832



85.8955, 92.2471, 107.8860



66.4059, 86.0344, 71.3731



18.0370, 19.4455, 23.0527



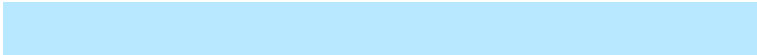
0.0000, 0.0000, 0.0000



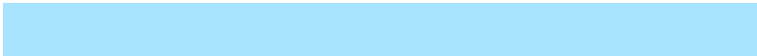
20.3446, 21.4041, 23.3091

Same Dimension

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



66.4371, 75.0034, 105.5832



61.8158, 70.6846, 104.9932



57.3650, 56.8592, 102.5592



18.0370, 19.4455, 23.0527



17.4361, 19.7817, 52.3339



1.7964, 2.1234, 5.1285

Inverse Universe

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



72.7403, 60.9549, 84.2788



69.2058, 54.9392, 79.8529



81.4805, 88.0647, 57.5054



18.5313, 18.1958, 21.4150



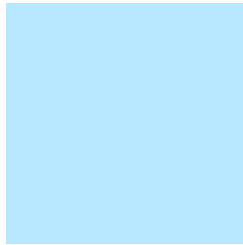
25.5891, 12.7249, 22.2846



2.5413, 1.2589, 2.4321

Previews

White Background



This preview shows how the XYZ color 66.4351, 75.0005, 105.5828 looks on a white background.

Color Contrast Check

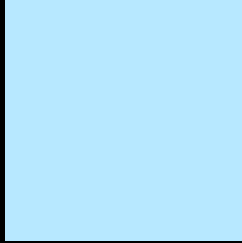
Large Text (above 18pt) WCAG AA × Fail

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 66.4351, 75.0005, 105.5828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

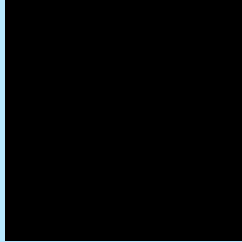
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.4351, 75.0005, 105.5828

Background



This preview shows how black text looks on a background with the XYZ color 66.4351, 75.0005, 105.5828.

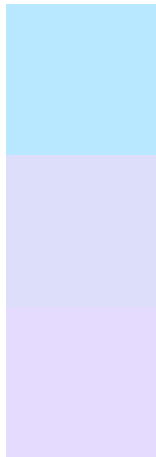


This preview shows how white text looks on a background with the XYZ color 66.4351, 75.0005,

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

66.4351, 75.0005, 105.5828

Protanopia

73.0390, 74.4543, 100.1441

Deuteranopia

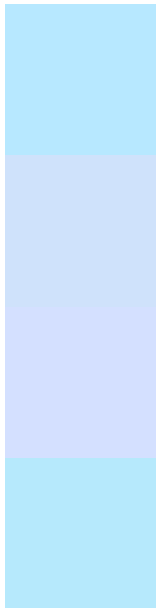
75.6946, 74.5410, 105.0061



Tritanopia

65.8429, 75.1879, 102.3092

Trichromacy



Original Color

66.4351, 75.0005, 105.5828

Protanomaly

70.3411, 74.6231, 101.9631

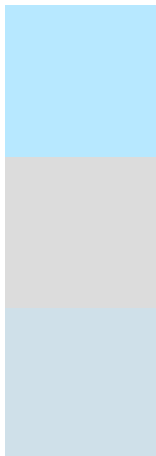
Deuteranomaly

71.8570, 74.5284, 105.2059

Tritanomaly

66.0010, 75.2512, 103.1418

Monochromacy



Original Color

66.4351, 75.0005, 105.5828

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.0958, 72.4599, 87.5406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4351, 75.0005, 105.5828 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, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 232, 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, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.4351, 75.0005, 105.5828 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, 232, 255) }
```


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

```
.border{ border-color:rgb(183, 232, 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, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4351, 75.0005, 105.5828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 232, 255) }
```

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

```
.background{ background-color: rgb(183,  
232, 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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