

Converting Colors

XYZ(63.0654, 67.5285,
104.3181)

Have a look what the booklet for
XYZ(63.0654, 67.5285, 104.3181)
contains.

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Color

**XYZ(63.1290, 67.6771,
104.3435)**

Conversions

Conversions Part 1

Format	Color
Hex	B9DAFF
RGB	185, 218, 255
RGB Percent	73%, 85%, 100%
CMY	0.2745, 0.1451, 0.0000
CMYK	0.27, 0.15, 0.00, 0.00
HSL	212°, 100%, 86%
HSV	212°, 27%, 100%
XYZ	63.1290, 67.6771, 104.3435
YIQ	212.3510, -31.5450, 4.5110

Conversions

Conversions Part 2

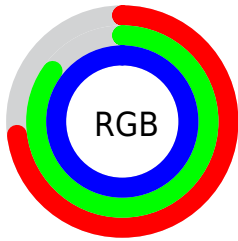
Format	Color
R_{YB}	185, 207, 255
Decimal	12180223
CIE _{Lab}	85.84, -2.74, -21.59
CIE _{LCh}	86, 21.760, 262.772
Yxy	67.6771, 0.2685, 0.2878
Android (android.graphics.Color)	4290370303 (0xFFB9DAFF)
YUV	212.3510, 21.0260, -23.9868
Hunter-Lab	82.2661, -6.9891, -17.6151

Details

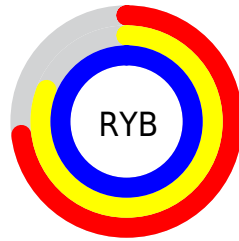
The XYZ color **63.1290, 67.6771, 104.3435** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.1183, 77.0050, 56.7524**, and the grayscale version is **62.6939, 65.9588, 71.8292**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **32.4962, 35.0174, 58.4724** is the 20% darker color. If you saturate the color by 10%, you get **54.1663, 58.0790, 102.9632**, and if you desaturate by 10%, it is **73.4829, 78.4176, 105.8709**.

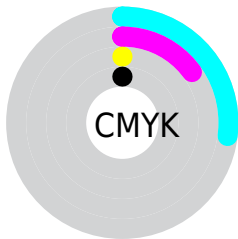
Distribution



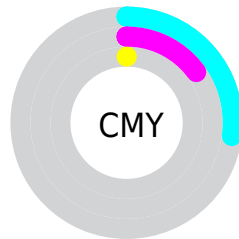
- Red (73%)
- Green (85%)
- Blue (100%)



- Red (73%)
- Yellow (81%)
- Blue (100%)



- Cyan (27%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1290, 67.6771, 104.3435 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 63.1290, 67.6771, 104.3435 by changing the saturation by 10% instead.

■ 63.1290, 67.6771,
104.3435

■ 63.1290, 67.6771,
104.3435

425.6897,
452.3511, 595.3956

■ 46.2046, 49.6351,
79.2959

■ 108.4364,
115.8901, 169.2172

■ 32.6126, 35.1235,
58.6164

137.5501,
146.8299, 209.8803

■ 21.9877, 23.7581,
41.8864

171.4576,
182.8377, 256.5858

■ 13.9644, 15.1542,
28.6874

210.5242,
224.2979, 309.7520

■ 8.1774, 8.9277,
18.6010

255.1154,
271.5950, 369.7975

■ 4.2615, 4.6941,
11.2084

305.5965,

■ 1.8511, 2.0689,

325.1133, 437.1409

6.0913

362.3328,
385.2372, 512.2008

■ 0.5482, 0.6470,
2.8310

■ 0.0000, 0.0000,
1.0090

■ 63.1290, 67.6771,
104.3435

■ 63.1290, 67.6771,
104.3435

■ 54.1663, 58.0790,
102.9632

■ 73.4829, 78.4176,
105.8709

■ 46.5235, 49.5716,
101.7240

■ 85.2833, 90.3338,
107.5490

■ 40.1310, 42.1102,
100.6207

95.0500, 100.0000,
108.9000

■ 34.9098, 35.6436,
99.6477

■ 30.7711, 30.1145,
98.7986

■ 27.6111, 25.4578,
98.0663

■ 25.2966, 21.5923,
97.4422

■ 24.7934, 20.7067,
97.2978

Harmonies

Analogous

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



58.7099, 67.6771, 97.7242



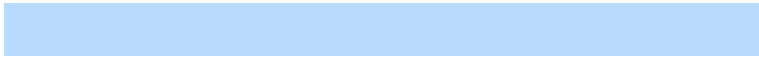
63.1290, 67.6771, 104.3435



68.0989, 67.6771, 101.9441

Triad

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



63.1290, 67.6771, 104.3435



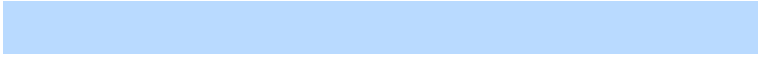
73.5541, 67.6771, 63.5860



57.0055, 67.6771, 58.3269

Complementary

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



63.1290, 67.6771, 104.3435



76.1183, 77.0050, 56.7524

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.



60.6933, 67.6771, 51.2059



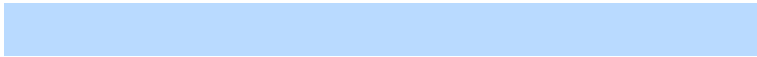
63.1290, 67.6771, 104.3435



70.2873, 67.6771, 53.9579

Square

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



63.1290, 67.6771, 104.3435



74.2887, 67.6771, 77.1897



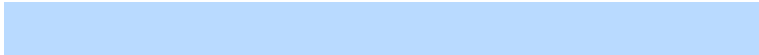
65.5361, 67.6771, 49.7162



55.2947, 67.6771, 70.2955

Rectangle

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



63.1290, 67.6771, 104.3435



71.0418, 67.6771, 95.6829



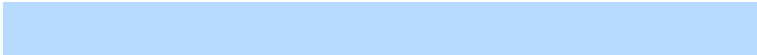
65.5361, 67.6771, 49.7162



58.0456, 67.6771, 55.3533

Sweetspot

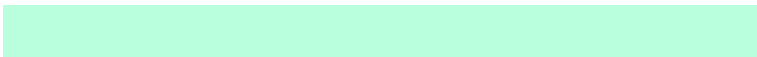
The Sweet Spot groups the original color and five complimentary colors.



63.1309, 67.6797, 104.3439



84.5953, 89.6467, 107.4526



68.8420, 87.0641, 81.7009



17.7092, 18.7901, 22.9434



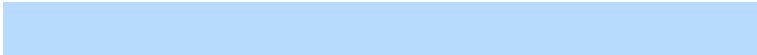
0.0000, 0.0000, 0.0000



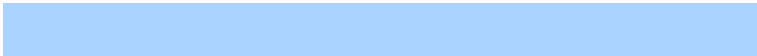
20.3446, 21.4041, 23.3091

Same Dimension

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



63.1309, 67.6797, 104.3439



57.9880, 62.2133, 103.5598



55.6907, 52.3797, 101.7828



17.7092, 18.7901, 22.9434



13.1018, 11.1132, 50.8891



1.3840, 1.2987, 4.9910

Inverse Universe

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



71.2451, 61.0215, 74.3559



67.4728, 55.0085, 68.3769



85.3294, 96.0623, 59.9453



18.3659, 18.1297, 20.5439



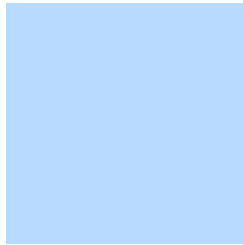
23.4014, 11.8499, 10.7642



2.3332, 1.1756, 1.3360

Previews

White Background



This preview shows how the XYZ color 63.1290, 67.6771, 104.3435 looks on a white background.

Color Contrast Check

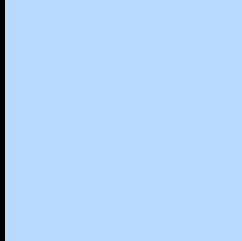
Large Text (above 18pt) WCAG AA × Fail

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 63.1290, 67.6771, 104.3435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

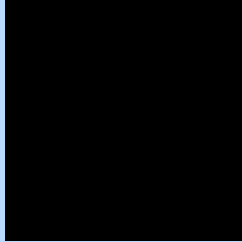
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

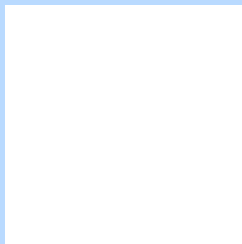
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.1290, 67.6771, 104.3435

Background



This preview shows how black text looks on a background with the XYZ color 63.1290, 67.6771, 104.3435.



This preview shows how white text looks on a background with the XYZ color 63.1290, 67.6771,

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

63.1290, 67.6771, 104.3435

Protanopia

66.6882, 67.3174, 100.7455

Deuteranopia

68.8281, 67.6093, 104.0300



Tritanopia

60.3451, 67.7097, 90.7777

Trichromacy



Original Color

63.1290, 67.6771, 104.3435

Protanomaly

65.1704, 67.2635, 101.6438

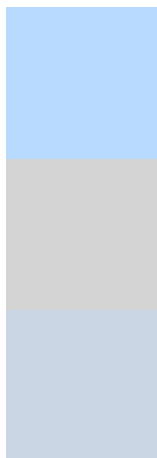
Deuteranomaly

66.4729, 67.5050, 104.1340

Tritanomaly

61.2137, 67.6631, 95.4219

Monochromacy



Original Color

63.1290, 67.6771, 104.3435

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

62.4073, 66.2511, 82.8973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1290, 67.6771, 104.3435 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(185, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 218, 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(185, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.1290, 67.6771, 104.3435 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(185, 218, 255) }
```


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

```
.border{ border-color:rgb(185, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1290, 67.6771, 104.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 218, 255) }
```

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

```
.background{ background-color: rgb(185,  
218, 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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