

Converting Colors

XYZ(62.0466, 64.5146,
112.6487)

Have a look what the booklet for
XYZ(62.0466, 64.5146, 112.6487)
contains.

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Color

**XYZ(60.4159, 64.0103,
103.7787)**

Conversions

Conversions Part 1

Format	Color
Hex	B4D4FF
RGB	180, 212, 255
RGB Percent	71%, 83%, 100%
CMY	0.2941, 0.1686, 0.0000
CMYK	0.29, 0.17, 0.00, 0.00
HSL	214°, 100%, 85%
HSV	214°, 29%, 100%
XYZ	60.4159, 64.0103, 103.7787
YIQ	207.3340, -32.8750, 6.5890

Conversions

Conversions Part 2

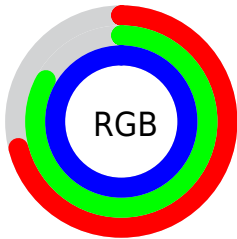
Format	Color
R _Y B	180, 202, 255
Decimal	11851007
CIE Lab	83.97, -1.00, -24.46
CIE LCh	84, 24.481, 267.651
Yxy	64.0103, 0.2647, 0.2805
Android (android.graphics.Color)	4290041087 (0xFFB4D4FF)
YUV	207.3340, 23.4993, -23.9719
Hunter-Lab	80.0064, -5.2191, -20.9023

Details

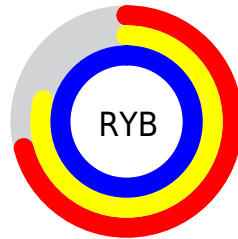
The XYZ color **60.4159, 64.0103, 103.7787** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.8661, 77.3304, 54.1096**, and the grayscale version is **59.3934, 62.4865, 68.0478**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **30.8773, 32.8909, 58.1473** is the 20% darker color. If you saturate the color by 10%, you get **51.5262, 54.2470, 102.3627**, and if you desaturate by 10%, it is **70.7322, 75.0032, 105.3568**.

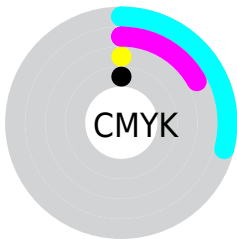
Distribution



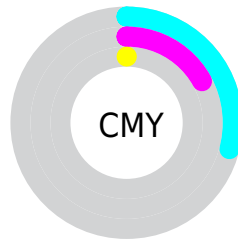
- Red (71%)
- Green (83%)
- Blue (100%)



- Red (71%)
- Yellow (79%)
- Blue (100%)



- Cyan (29%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.4159, 64.0103, 103.7787 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 60.4159, 64.0103, 103.7787 by changing the saturation by 10% instead.

■ 60.4159, 64.0103,
103.7787

■ 60.4159, 64.0103,
103.7787

415.9393,
439.2268, 593.5906

■ 44.0047, 46.6590,
78.8256

■ 104.5357,
110.6258, 168.4374

■ 30.8721, 32.7662,
58.2320

132.9749,
140.6587, 208.9800

■ 20.6528, 21.9474,
41.5792

166.1543,
175.6877, 255.5563

■ 12.9815, 13.8182,
28.4489

204.4390,
216.0972, 308.5847

■ 7.4927, 7.9944,
18.4223

248.1945,
262.2714, 368.4838

■ 3.8212, 4.0913,
11.0810

297.7862,

■ 1.6015, 1.7248,

314.5948, 435.6721

6.0065

353.5793,
373.4518, 510.5682

■ 0.3934, 0.4396,
2.7802

■ 0.0000, 0.0000,
0.9835

■ 60.4159, 64.0103,
103.7787

■ 60.4159, 64.0103,
103.7787

■ 51.5262, 54.2470,
102.3627

■ 70.7322, 75.0032,
105.3568

■ 43.9890, 45.6577,
101.1021

■ 82.5333, 87.2639,
107.1014

■ 37.7311, 38.1927,
99.9910

95.0500, 100.0000,
108.9000

■ 32.6699, 31.7952,
99.0229

■ 28.7115, 26.4020,
98.1906

■ 25.7459, 21.9408,
97.4858

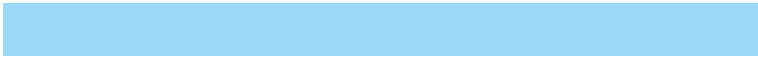
■ 23.6091, 18.3103,
96.8976

■ 23.4981, 18.1162,
96.8660

Harmonies

Analogous

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



55.4584, 64.0103, 97.9155



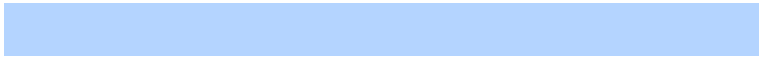
60.4159, 64.0103, 103.7787



65.7802, 64.0103, 99.4501

Triad

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



60.4159, 64.0103, 103.7787



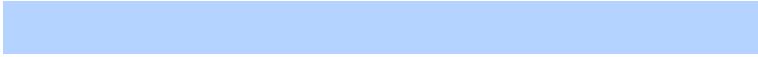
70.4950, 64.0103, 56.8027



52.4934, 64.0103, 54.9832

Complementary

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



60.4159, 64.0103, 103.7787



75.8661, 77.3304, 54.1096

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.



56.1533, 64.0103, 46.5615



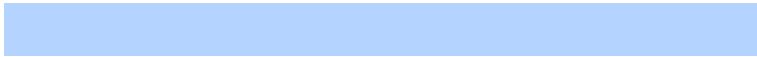
60.4159, 64.0103, 103.7787



66.5586, 64.0103, 47.4978

Square

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



60.4159, 64.0103, 103.7787



71.7998, 64.0103, 70.9205



61.2658, 64.0103, 44.0357



51.0562, 64.0103, 68.4864

Rectangle

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



60.4159, 64.0103, 103.7787



68.8298, 64.0103, 91.6768



61.2658, 64.0103, 44.0357



53.4935, 64.0103, 51.5441

Sweetspot

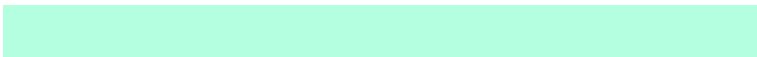
The Sweet Spot groups the original color and five complimentary colors.



60.4177, 64.0128, 103.7791



83.0503, 87.7948, 107.1766



67.8354, 86.5246, 82.5858



17.3864, 18.3909, 22.8834



0.0000, 0.0000, 0.0000



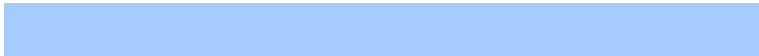
20.3446, 21.4041, 23.3091

Same Dimension

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



60.4177, 64.0128, 103.7791



55.2766, 58.4062, 102.9679



54.3803, 50.1786, 101.4270



17.6402, 18.6521, 22.9204



12.4191, 9.7479, 50.6615



1.3149, 1.1605, 4.9680

Inverse Universe

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



69.4461, 58.6576, 69.9519



65.7098, 52.7932, 63.7483



83.4230, 95.1395, 57.1488



18.3311, 18.1157, 20.3605



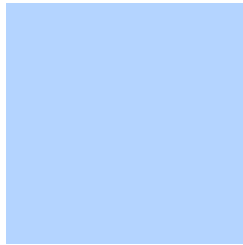
23.0568, 11.7120, 8.9496



2.2983, 1.1617, 1.1523

Previews

White Background



This preview shows how the XYZ color 60.4159, 64.0103, 103.7787 looks on a white background.

Color Contrast Check

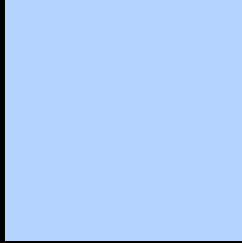
Large Text (above 18pt) WCAG AA × Fail

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 60.4159, 64.0103, 103.7787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

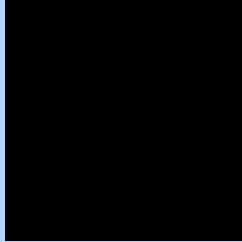
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

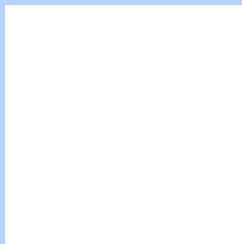
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 60.4159, 64.0103, 103.7787

Background



This preview shows how black text looks on a background with the XYZ color 60.4159, 64.0103, 103.7787.



This preview shows how white text looks on a background with the XYZ color 60.4159, 64.0103,

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

60.4159, 64.0103, 103.7787

Protanopia

63.4367, 63.7960, 101.0659

Deuteranopia

65.0582, 63.8618, 103.5054



Tritanopia

56.9430, 64.1089, 86.4638

Trichromacy



Original Color

60.4159, 64.0103, 103.7787

Protanomaly

62.2683, 63.8992, 101.9804

Deuteranomaly

63.3708, 64.0675, 103.6340

Tritanomaly

58.3091, 64.2989, 92.5568

Monochromacy



Original Color

60.4159, 64.0103, 103.7787

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

59.2810, 62.8531, 79.5284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.4159, 64.0103, 103.7787 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(180, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 212, 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(180, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 212, 255) }
```

Border

The CSS property to change the border of an element to XYZ 60.4159, 64.0103, 103.7787 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(180, 212, 255) }
```


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

```
.border{ border-color:rgb(180, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 212,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 60.4159, 64.0103, 103.7787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 212, 255) }
```

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

```
.background{ background-color: rgb(180,  
212, 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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