

Converting Colors

XYZ(66.1867, 69.4838,
113.1060)

Have a look what the booklet for
XYZ(66.1867, 69.4838, 113.1060)
contains.

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Color

**XYZ(64.6167, 68.8302,
104.4876)**

Conversions

Conversions Part 1

Format	Color
Hex	BEDBFF
RGB	190, 219, 255
RGB Percent	75%, 86%, 100%
CMY	0.2549, 0.1412, 0.0000
CMYK	0.25, 0.14, 0.00, 0.00
HSL	213°, 100%, 87%
HSV	213°, 25%, 100%
XYZ	64.6167, 68.8302, 104.4876
YIQ	214.4330, -28.8400, 5.0480

Conversions

Conversions Part 2

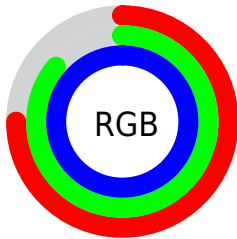
Format	Color
R _Y B	190, 210, 255
Decimal	12508159
CIE Lab	86.42, -1.82, -20.69
CIE LCh	86, 20.765, 264.981
Yxy	68.8302, 0.2716, 0.2893
Android (android.graphics.Color)	4290698239 (0xFFBEDBFF)
YUV	214.4330, 19.9995, -21.4277
Hunter-Lab	82.9640, -6.1618, -16.5970

Details

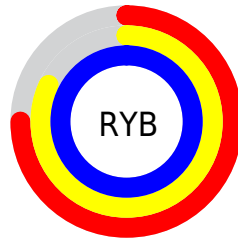
The XYZ color **64.6167, 68.8302, 104.4876** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.7306, 79.3698, 59.9400**, and the grayscale version is **64.0931, 67.4310, 73.4323**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **33.4602, 35.7790, 58.5686** is the 20% darker color. If you saturate the color by 10%, you get **55.2671, 58.7726, 103.0391**, and if you desaturate by 10%, it is **75.3970, 80.0928, 106.0933**.

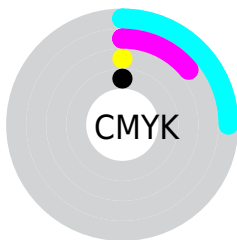
Distribution



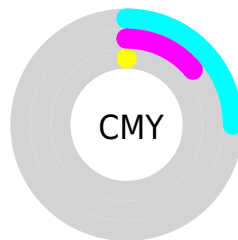
- Red (75%)
- Green (86%)
- Blue (100%)



- Red (75%)
- Yellow (82%)
- Blue (100%)



- Cyan (25%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6167, 68.8302, 104.4876 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 64.6167, 68.8302, 104.4876 by changing the saturation by 10% instead.

■ 64.6167, 68.8302,
104.4876

■ 64.6167, 68.8302,
104.4876

430.9803,
456.4319, 595.8556

■ 47.4139, 50.5734,
79.4159

■ 110.5674,
117.5390, 169.4161

■ 33.5723, 35.8692,
58.7145

140.0460,
148.7599, 210.1099

■ 22.7265, 24.3332,
41.9648

174.3472,
185.0709, 256.8482

■ 14.5113, 15.5810,
28.7484

213.8364,
226.8564, 310.0496

■ 8.5612, 9.2281,
18.6466

258.8790,
274.5009, 370.1324

■ 4.5109, 4.8903,
11.2410

309.8402,

■ 1.9950, 2.1830,

328.3887, 437.5154

6.1130

367.0856,
388.9042, 512.6169

■ 0.6312, 0.7107,
2.8440

■ 0.0000, 0.0000,
1.0155

■ 64.6167, 68.8302,
104.4876

■ 64.6167, 68.8302,
104.4876

■ 55.2671, 58.7726,
103.0391

■ 75.3970, 80.0928,
106.0933

■ 47.2766, 49.8664,
101.7412

■ 87.6634, 92.5949,
107.8600

■ 40.5758, 42.0658,
100.5887

95.0500, 100.0000,
108.9000

■ 35.0863, 35.3178,
99.5755

■ 30.7202, 29.5642,
98.6951

■ 27.3759, 24.7390,
97.9400

■ 24.9293, 20.7638,
97.3016

■ 24.0425, 19.2051,
97.0475

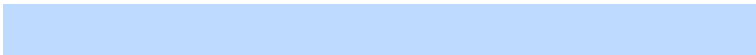
Harmonies

Analogous

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



60.2651, 68.8302, 98.7490



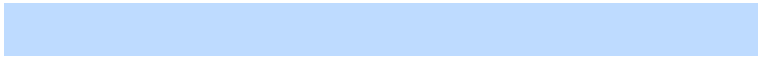
64.6167, 68.8302, 104.4876



69.3977, 68.8302, 101.5552

Triad

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



64.6167, 68.8302, 104.4876



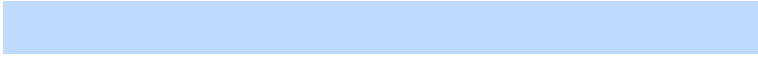
74.1510, 68.8302, 64.3241



58.1481, 68.8302, 60.7732

Complementary

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



64.6167, 68.8302, 104.4876



77.7306, 79.3698, 59.9400

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.



61.5993, 68.8302, 53.4427



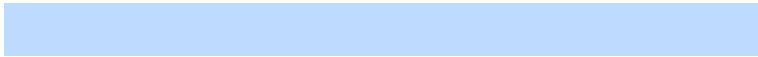
64.6167, 68.8302, 104.4876



70.8629, 68.8302, 55.3103

Square

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



64.6167, 68.8302, 104.4876



75.0550, 68.8302, 77.2813



66.2320, 68.8302, 51.5717



56.6489, 68.8302, 72.6550

Rectangle

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



64.6167, 68.8302, 104.4876



72.1660, 68.8302, 95.2444



66.2320, 68.8302, 51.5717



59.1100, 68.8302, 57.7555

Sweetspot

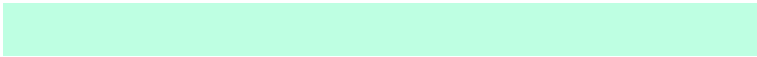
The Sweet Spot groups the original color and five complimentary colors.



64.6186, 68.8329, 104.4880



84.4402, 89.3366, 107.4009



70.6893, 87.9449, 85.0221



17.6702, 18.7121, 22.9304



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.



64.6186, 68.8329, 104.4880



59.2926, 63.1431, 103.6705



58.5209, 55.4189, 102.2203



17.6702, 18.7121, 22.9304



12.7065, 10.3225, 50.7573



1.3442, 1.2191, 4.9777

Inverse Universe

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



72.4409, 63.2029, 75.4022



68.5412, 57.0053, 69.1645



85.1090, 95.8867, 62.7392



18.3462, 18.1218, 20.4402



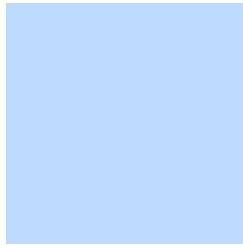
23.2018, 11.7700, 9.7133



2.3131, 1.1676, 1.2302

Previews

White Background



This preview shows how the XYZ color 64.6167, 68.8302, 104.4876 looks on a white background.

Color Contrast Check

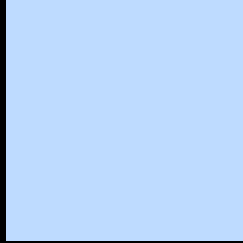
Large Text (above 18pt) WCAG AA × Fail

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 64.6167, 68.8302, 104.4876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

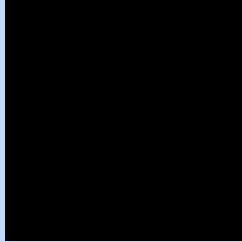
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

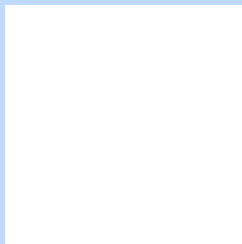
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6167, 68.8302, 104.4876

Background



This preview shows how black text looks on a background with the XYZ color 64.6167, 68.8302, 104.4876.



This preview shows how white text looks on a background with the XYZ color 64.6167, 68.8302,

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

64.6167, 68.8302, 104.4876

Protanopia

67.9117, 68.6767, 101.7721

Deuteranopia

69.9595, 68.5602, 104.1539



Tritanopia

62.1948, 69.0393, 91.7093

Trichromacy



Original Color

64.6167, 68.8302, 104.4876

Protanomaly

66.6426, 68.7601, 102.6881

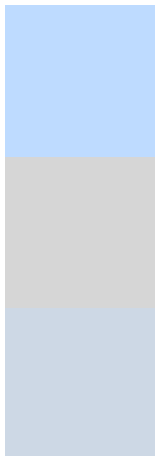
Deuteranomaly

67.8287, 68.5785, 104.2698

Tritanomaly

63.0769, 68.9968, 96.3794

Monochromacy



Original Color

64.6167, 68.8302, 104.4876

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.8756, 67.7480, 83.8388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6167, 68.8302, 104.4876 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(190, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 219, 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(190, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 219, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.6167, 68.8302, 104.4876 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(190, 219, 255) }
```


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

```
.border{ border-color:rgb(190, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 219,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6167, 68.8302, 104.4876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 219, 255) }
```

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

```
.background{ background-color: rgb(190,  
219, 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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