

Converting Colors

XYZ(65.3867, 69.5487,
111.1634)

Have a look what the booklet for
XYZ(65.3867, 69.5487, 111.1634)
contains.

XYZ(64.1367, 68.9712, 104.5401)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.1367, 68.9712,
104.5401)**

Conversions

Conversions Part 1

Format	Color
Hex	BBDCFF
RGB	187, 220, 255
RGB Percent	73%, 86%, 100%
CMY	0.2667, 0.1372, 0.0000
CMYK	0.27, 0.14, 0.00, 0.00
HSL	211°, 100%, 87%
HSV	211°, 27%, 100%
XYZ	64.1367, 68.9712, 104.5401
YIQ	214.1230, -30.9030, 3.8890

Conversions

Conversions Part 2

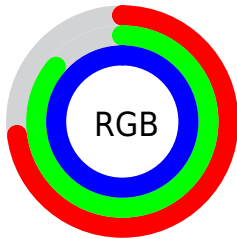
Format	Color
R_{YB}	187, 209, 255
Decimal	12311807
CIE Lab	86.49, -3.21, -20.60
CIE LCh	86, 20.847, 261.144
Yxy	68.9712, 0.2699, 0.2902
Android (android.graphics.Color)	4290501887 (0xFFBBDCFF)
YUV	214.1230, 20.1524, -23.7869
Hunter-Lab	83.0489, -7.4843, -16.4987

Details

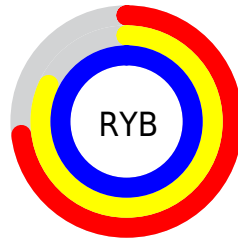
The XYZ color **64.1367, 68.9712, 104.5401** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.3309, 77.0899, 57.8722**, and the grayscale version is **63.8845, 67.2114, 73.1932**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **33.1639, 35.8930, 58.6062** is the 20% darker color. If you saturate the color by 10%, you get **55.1334, 59.4172, 103.1706**, and if you desaturate by 10%, it is **74.5219, 79.6425, 106.0525**.

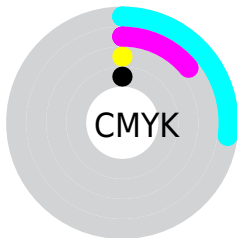
Distribution



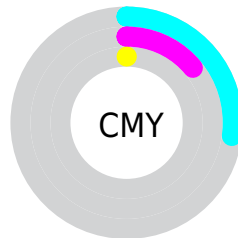
- Red (73%)
- Green (86%)
- Blue (100%)



- Red (73%)
- Yellow (82%)
- Blue (100%)



- Cyan (27%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1367, 68.9712, 104.5401 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 64.1367, 68.9712, 104.5401 by changing the saturation by 10% instead.

■ 64.1367, 68.9712,
104.5401

■ 64.1367, 68.9712,
104.5401

429.2775,
456.9294, 596.0232

■ 47.0235, 50.6883,
79.4596

■ 109.8804,
117.7404, 169.4885

■ 33.2623, 35.9606,
58.7502

139.2416,
148.9955, 210.1936

■ 22.4876, 24.4037,
41.9934

173.4163,
185.3434, 256.9439

■ 14.3342, 15.6334,
28.7706

212.7696,
227.1686, 310.1580

■ 8.4368, 9.2651,
18.6633

257.6671,
274.8554, 370.2544

■ 4.4298, 4.9145,
11.2529

308.4739,

■ 1.9480, 2.1972,

328.7882, 437.6517

6.1209

365.5557,
389.3514, 512.7685

■ 0.6045, 0.7185,
2.8487

■ 0.0000, 0.0000,
1.0179

■ 64.1367, 68.9712,
104.5401

■ 64.1367, 68.9712,
104.5401

■ 55.1334, 59.4172,
103.1706

■ 74.5219, 79.6425,
106.0525

■ 47.4415, 50.9297,
101.9377

■ 86.3435, 91.4628,
107.7110

■ 40.9924, 43.4658,
100.8370

95.0500, 100.0000,
108.9000

■ 35.7086, 36.9755,
99.8627

■ 31.5028, 31.4036,
99.0089

■ 28.2731, 26.6868,
98.2687

■ 25.8934, 22.7489,
97.6340

■ 25.2276, 21.5753,
97.4425

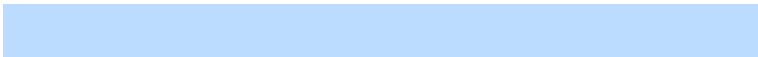
Harmonies

Analogous

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



59.9035, 68.9712, 97.7553



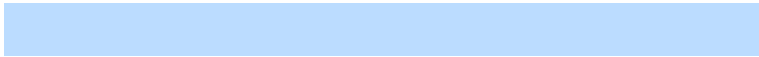
64.1367, 68.9712, 104.5401



68.9600, 68.9712, 102.7149

Triad

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



64.1367, 68.9712, 104.5401



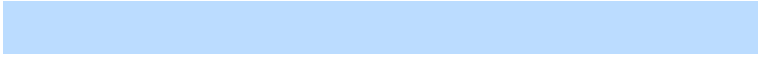
74.5973, 68.9712, 65.9127



58.5904, 68.9712, 59.6271

Complementary

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



64.1367, 68.9712, 104.5401



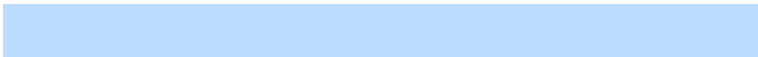
76.3309, 77.0899, 57.8722

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.



62.2641, 68.9712, 52.9361



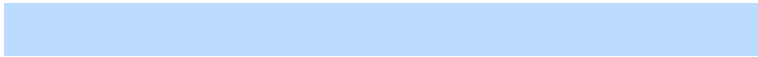
64.1367, 68.9712, 104.5401



71.5514, 68.9712, 56.2435

Square

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



64.1367, 68.9712, 104.5401



75.1592, 68.9712, 79.2644



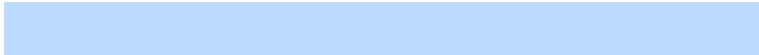
66.9942, 68.9712, 51.7783



56.8061, 68.9712, 71.0801

Rectangle

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



64.1367, 68.9712, 104.5401



71.8528, 68.9712, 96.9440



66.9942, 68.9712, 51.7783



59.6365, 68.9712, 56.8081

Sweetspot

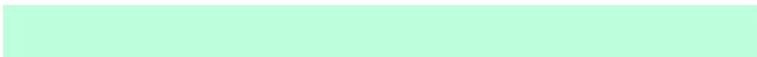
The Sweet Spot groups the original color and five complimentary colors.



64.1386, 68.9739, 104.5406



84.6806, 89.8173, 107.4811



69.3056, 87.3057, 81.6066



17.7307, 18.8330, 22.9506



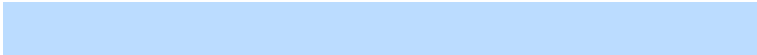
0.0000, 0.0000, 0.0000



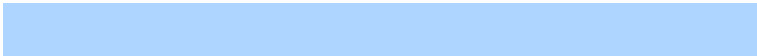
20.3446, 21.4041, 23.3091

Same Dimension

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



64.1386, 68.9739, 104.5406



59.1672, 63.7401, 103.7924



56.3153, 53.3272, 101.9328



17.7307, 18.8330, 22.9506



13.3301, 11.5698, 50.9652



1.4067, 1.3442, 4.9986

Inverse Universe

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



71.9298, 61.9695, 75.8834



68.2710, 56.1050, 70.1840



85.9700, 96.3680, 61.0853



18.3767, 18.1340, 20.6009



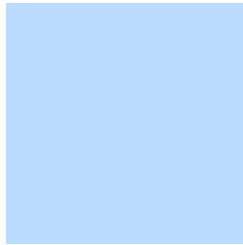
23.5166, 11.8959, 11.3709



2.3447, 1.1802, 1.3964

Previews

White Background



This preview shows how the XYZ color 64.1367, 68.9712, 104.5401 looks on a white background.

Color Contrast Check

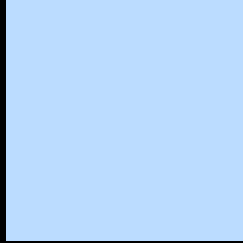
Large Text (above 18pt) WCAG AA × Fail

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 64.1367, 68.9712, 104.5401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

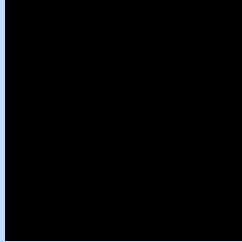
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

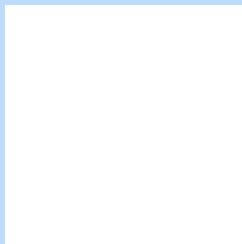
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.1367, 68.9712, 104.5401

Background



This preview shows how black text looks on a background with the XYZ color 64.1367, 68.9712, 104.5401.



This preview shows how white text looks on a background with the XYZ color 64.1367, 68.9712,

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

64.1367, 68.9712, 104.5401

Protanopia

67.7536, 68.6135, 100.9395

Deuteranopia

69.9595, 68.5602, 104.1539



Tritanopia

61.6166, 68.7242, 92.4556

Trichromacy



Original Color

64.1367, 68.9712, 104.5401

Protanomaly

66.2139, 68.5575, 101.8385

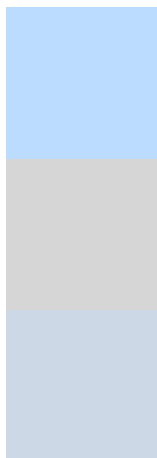
Deuteranomaly

67.5502, 68.4349, 104.2567

Tritanomaly

62.3455, 68.6198, 96.3452

Monochromacy



Original Color

64.1367, 68.9712, 104.5401

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.6006, 67.6062, 83.8259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1367, 68.9712, 104.5401 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(187, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 220, 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(187, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.1367, 68.9712, 104.5401 is called "border". The border property can be set on classes, ids or directly on the HTML element.

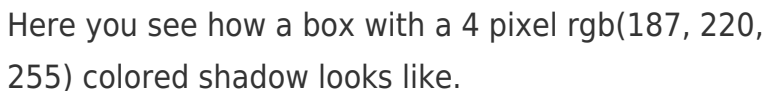
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 220, 255) }
```


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

```
.border{ border-color:rgb(187, 220, 255) }
```

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



Here you see how a box with a 4 pixel rgb(187, 220, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1367, 68.9712, 104.5401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 220, 255) }
```

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

```
.background{ background-color: rgb(187,  
220, 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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