

Converting Colors

XYZ(64.3616, 69.7288,
104.6745)

Have a look what the booklet for
XYZ(64.3616, 69.7288, 104.6745)
contains.

XYZ(64.4210, 69.9017, 104.7048)	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(64.4210, 69.9017,
104.7048)**

Conversions

Conversions Part 1

Format	Color
Hex	BADEFF
RGB	186, 222, 255
RGB Percent	73%, 87%, 100%
CMY	0.2706, 0.1294, 0.0000
CMYK	0.27, 0.13, 0.00, 0.00
HSL	209°, 100%, 86%
HSV	209°, 27%, 100%
XYZ	64.4210, 69.9017, 104.7048
YIQ	214.9980, -32.0490, 2.6310

Conversions

Conversions Part 2

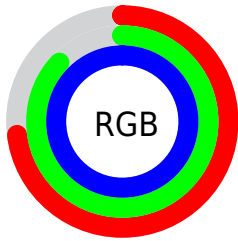
Format	Color
R _Y B	186, 210, 255
Decimal	12246783
CIE Lab	86.95, -4.54, -19.91
CIE LCh	87, 20.422, 257.155
Yxy	69.9017, 0.2695, 0.2924
Android (android.graphics.Color)	4290436863 (0xFFBADEFF)
YUV	214.9980, 19.7210, -25.4312
Hunter-Lab	83.6072, -8.7749, -15.7263

Details

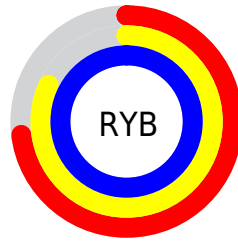
The XYZ color **64.4210, 69.9017, 104.7048** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.4345, 75.4677, 57.0471**, and the grayscale version is **64.4779, 67.8358, 73.8732**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **33.3718, 36.5399, 58.7201** is the 20% darker color. If you saturate the color by 10%, you get **55.6477, 60.7449, 103.3997**, and if you desaturate by 10%, it is **74.5379, 80.1023, 106.1405**.

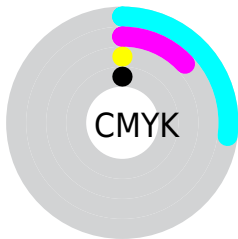
Distribution



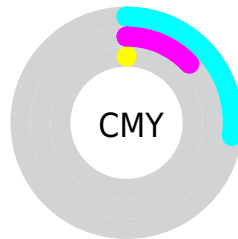
- Red (73%)
- Green (87%)
- Blue (100%)



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



- Cyan (27%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4210, 69.9017, 104.7048 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 64.4210, 69.9017, 104.7048 by changing the saturation by 10% instead.

■ 64.4210, 69.9017,
104.7048

■ 64.4210, 69.9017,
104.7048

430.2865,
460.2048, 596.5487

■ 47.2547, 51.4464,
79.5968

■ 110.2874,
119.0686, 169.7158

■ 33.4458, 36.5640,
58.8624

139.7182,
150.5489, 210.4559

■ 22.6291, 24.8701,
42.0831

173.9678,
187.1397, 257.2438

■ 14.4390, 15.9803,
28.8403

213.4017,
229.2254, 310.4980

■ 8.5104, 9.5102,
18.7155

258.3851,
277.1904, 370.6370

■ 4.4778, 5.0754,
11.2902

309.2835,

■ 1.9758, 2.2916,

331.4190, 438.0795

6.1457

366.4622,
392.2957, 513.2438

■ 0.6203, 0.7693,
2.8637

■ 0.0000, 0.0000,
1.0255

■ 64.4210, 69.9017,
104.7048

■ 64.4210, 69.9017,
104.7048

■ 55.6477, 60.7449,
103.3997

■ 74.5379, 80.1023,
106.1405

■ 48.1484, 52.5836,
102.2197

■ 86.0517, 91.3763,
107.7097

■ 41.8559, 45.3774,
101.1604

95.0500, 100.0000,
108.9000

■ 36.6934, 39.0789,
100.2168

■ 32.5747, 33.6354,
99.3832

■ 29.3990, 28.9867,
98.6532

■ 27.0388, 25.0582,
98.0194

■ 26.4449, 24.0099,
97.8483

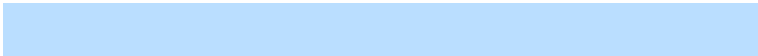
Harmonies

Analogous

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



60.3949, 69.9017, 97.0431



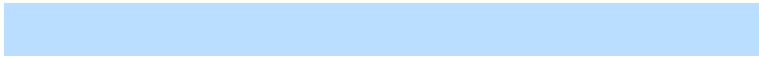
64.4210, 69.9017, 104.7048



69.1820, 69.9017, 104.0735

Triad

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



64.4210, 69.9017, 104.7048



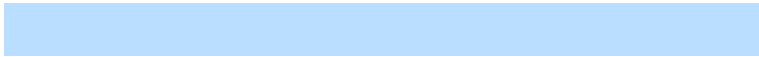
75.5954, 69.9017, 68.6223



59.9383, 69.9017, 59.6079

Complementary

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



64.4210, 69.9017, 104.7048



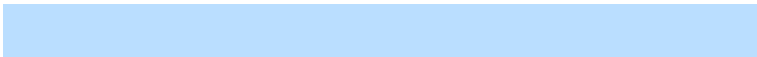
75.4345, 75.4677, 57.0471

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.



63.7704, 69.9017, 53.6677



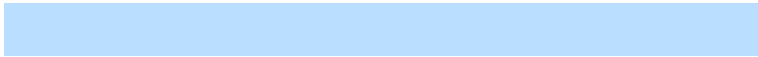
64.4210, 69.9017, 104.7048



72.8745, 69.9017, 58.4287

Square

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



64.4210, 69.9017, 104.7048



75.7901, 69.9017, 82.1020



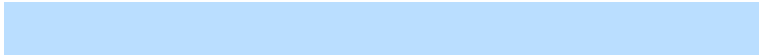
68.4997, 69.9017, 53.2636



57.8914, 69.9017, 70.4189

Rectangle

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



64.4210, 69.9017, 104.7048



72.1351, 69.9017, 99.0275



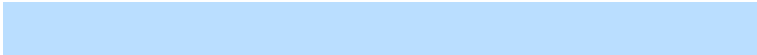
68.4997, 69.9017, 53.2636



61.0518, 69.9017, 57.0346

Sweetspot

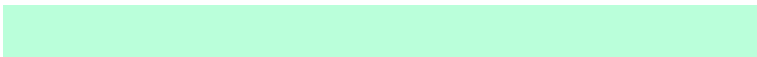
The Sweet Spot groups the original color and five complimentary colors.



64.4229, 69.9044, 104.7052



84.9054, 90.2669, 107.5560



68.6918, 87.0320, 79.6466



17.7873, 18.9461, 22.9694



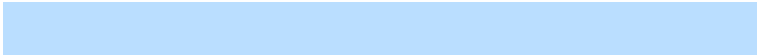
0.0000, 0.0000, 0.0000



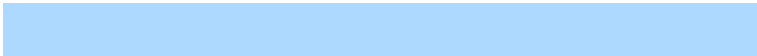
20.3446, 21.4041, 23.3091

Same Dimension

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



64.4229, 69.9044, 104.7052



59.9222, 65.2500, 104.0440



56.3485, 53.7556, 102.0137



17.7873, 18.9461, 22.9694



13.9686, 12.8468, 51.1780



1.4695, 1.4697, 5.0195

Inverse Universe

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



71.9850, 61.6533, 77.2166



68.6521, 56.2575, 72.1908



85.1339, 94.8667, 60.2802



18.4053, 18.1454, 20.7513



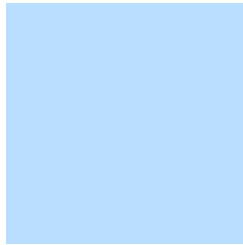
23.8389, 12.0249, 13.0681



2.3764, 1.1929, 1.5633

Previews

White Background



This preview shows how the XYZ color 64.4210, 69.9017, 104.7048 looks on a white background.

Color Contrast Check

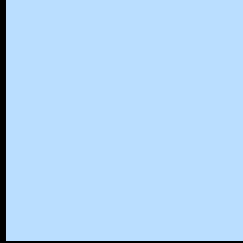
Large Text (above 18pt) WCAG AA × Fail

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 64.4210, 69.9017, 104.7048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

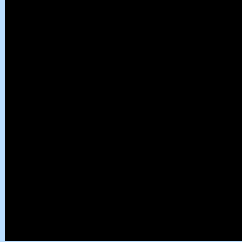
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

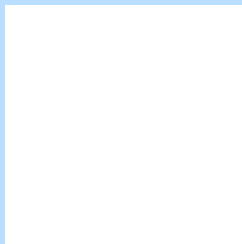
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.4210, 69.9017, 104.7048

Background



This preview shows how black text looks on a background with the XYZ color 64.4210, 69.9017, 104.7048.

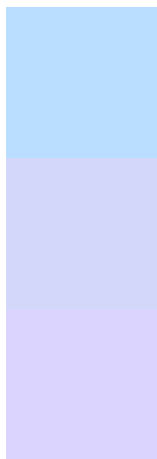


This preview shows how white text looks on a background with the XYZ color 64.4210, 69.9017,

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

64.4210, 69.9017, 104.7048

Protanopia

68.8324, 69.9257, 101.1359

Deuteranopia

70.8069, 69.3670, 104.2650



Tritanopia

62.2111, 69.7894, 94.1962

Trichromacy



Original Color

64.4210, 69.9017, 104.7048

Protanomaly

66.9992, 69.7276, 102.0230

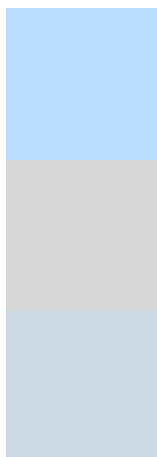
Deuteranomaly

68.3380, 69.5971, 104.4395

Tritanomaly

62.9433, 69.6811, 98.1280

Monochromacy



Original Color

64.4210, 69.9017, 104.7048

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.2562, 68.6933, 84.7354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4210, 69.9017, 104.7048 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(186, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 222, 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(186, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.4210, 69.9017, 104.7048 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(186, 222, 255) }
```


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

```
.border{ border-color:rgb(186, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4210, 69.9017, 104.7048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 222, 255) }
```

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

```
.background{ background-color: rgb(186,  
222, 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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