

Converting Colors

XYZ(63.3778, 69.5791, 99.2428)

Have a look what the booklet for
XYZ(63.3778, 69.5791, 99.2428)
contains.

XYZ(63.3143, 69.4590, 98.8768)	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(63.3143, 69.4590,
98.8768)**

Conversions

Conversions Part 1

Format	Color
Hex	BADEF8
RGB	186, 222, 248
RGB Percent	73%, 87%, 97%
CMY	0.2706, 0.1294, 0.0274
CMYK	0.25, 0.10, 0.00, 0.03
HSL	205°, 82%, 85%
HSV	205°, 25%, 97%
XYZ	63.3143, 69.4590, 98.8768
YIQ	214.2000, -29.8020, 0.4540

Conversions

Conversions Part 2

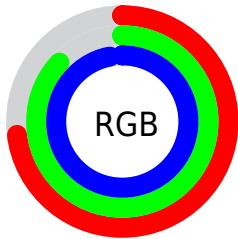
Format	Color
R _{YB}	186, 209, 248
Decimal	12246776
CIE Lab	86.73, -6.13, -16.55
CIE LCh	87, 17.652, 249.677
Yxy	69.4590, 0.2733, 0.2998
Android (android.graphics.Color)	4290436856 (0xFFBADEF8)
YUV	214.2000, 16.6634, -24.7314
Hunter-Lab	83.3421, -10.2436, -12.0020

Details

The XYZ color **63.3143, 69.4590, 98.8768** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.1187, 70.5891, 56.3329**, and the grayscale version is **63.9586, 67.2894, 73.2782**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **32.8489, 36.3487, 55.1539** is the 20% darker color. If you saturate the color by 10%, you get **55.1273, 61.2654, 97.7279**, and if you desaturate by 10%, it is **72.7215, 78.5379, 100.1346**.

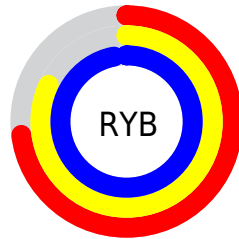
Distribution



Red (73%)

Green (87%)

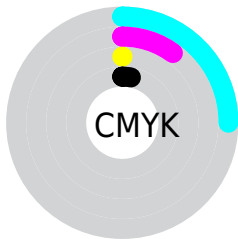
Blue (97%)



Red (73%)

Yellow (82%)

Blue (97%)

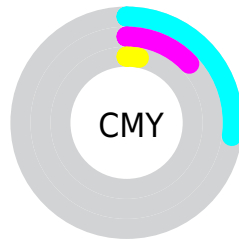


Cyan (25%)

Magenta (10%)

Yellow (0%)

Black (3%)



Cyan (27%)

Magenta (13%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3143, 69.4590, 98.8768 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 63.3143, 69.4590, 98.8768 by changing the saturation by 10% instead.

■ 63.3143, 69.4590,
98.8768

■ 63.3143, 69.4590,
98.8768

426.3508,
458.6482, 577.8014

■ 46.3551, 51.0856,
74.7512

■ 108.7021,
118.4369, 161.6512

■ 32.7320, 36.2767,
54.9086

137.8614,
149.8103, 201.1370

■ 22.0794, 24.6480,
38.9304

171.8182,
186.2857, 246.5800

■ 14.0322, 15.8150,
26.3982

210.9377,
228.2476, 298.3988

■ 8.2249, 9.3933,
16.8933

255.5854,
276.0804, 357.0117

■ 4.2922, 4.9986,
9.9973

306.1266,

■ 1.8687, 2.2465,

330.1685, 422.8375

5.2916

362.9266,
390.8963, 496.2945

■ 0.5586, 0.7451,
2.3576

■ 0.0000, 0.0000,
0.7632

■ 63.3143, 69.4590,
98.8768

■ 63.3143, 69.4590,
98.8768

■ 55.1273, 61.2654,
97.7279

■ 72.7215, 78.5379,
100.1346

■ 48.0971, 53.9149,
96.6797

■ 83.3956, 88.5256,
101.4998

■ 42.1639, 47.3736,
95.7298

■ 93.3725, 98.4155,
102.8829

■ 37.2593, 41.6016,
94.8742

■ 93.9435, 99.5574,
103.0732

■ 33.3066, 36.5543,
94.1083

■ 30.2169, 32.1809,
93.4270

■ 27.8816, 28.4200,
92.8241

■ 26.9182, 26.7269,
92.5481

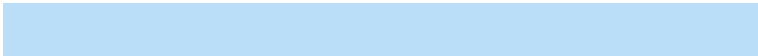
Harmonies

Analogous

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



60.1265, 69.4590, 91.0039



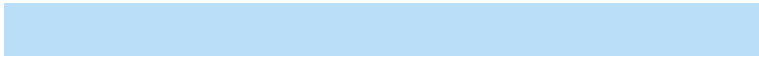
63.3143, 69.4590, 98.8768



67.3548, 69.4590, 100.1808

Triad

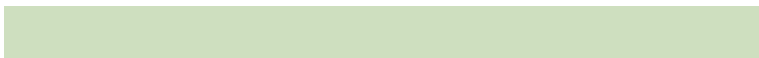
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.3143, 69.4590, 98.8768



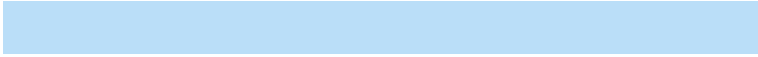
74.1116, 69.4590, 71.8915



61.1050, 69.4590, 59.5264

Complementary

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



63.3143, 69.4590, 98.8768



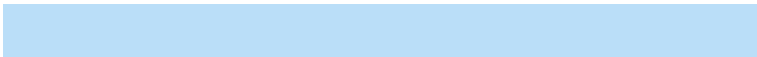
71.1187, 70.5891, 56.3329

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.



64.7004, 69.4590, 55.4570



63.3143, 69.4590, 98.8768



72.2838, 69.4590, 62.0914

Square

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



63.3143, 69.4590, 98.8768



73.7029, 69.4590, 83.7574



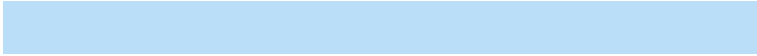
68.7990, 69.4590, 56.3447



58.8881, 69.4590, 68.0443

Rectangle

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



63.3143, 69.4590, 98.8768



70.0055, 69.4590, 97.0252



68.7990, 69.4590, 56.3447



62.1862, 69.4590, 57.6351

Sweetspot

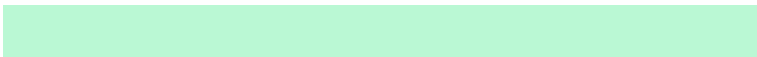
The Sweet Spot groups the original color and five complimentary colors.



63.3164, 69.4618, 98.8784



86.4437, 92.0874, 107.8263



65.6813, 82.3203, 74.6064



18.3506, 19.5694, 23.0600



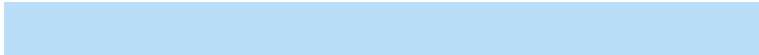
0.0000, 0.0000, 0.0000



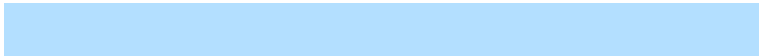
20.3446, 21.4041, 23.3091

Same Dimension

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



63.3164, 69.4618, 98.8784



62.8919, 69.4780, 104.7036



55.8618, 54.5526, 96.3935



17.1203, 18.3175, 22.0186



14.6829, 14.7214, 50.0412



1.4647, 1.5730, 4.6696

Inverse Universe

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



69.4569, 60.3500, 77.0983



70.5689, 58.6236, 77.3531



79.5763, 87.5044, 59.1521



17.6673, 17.3943, 20.1036



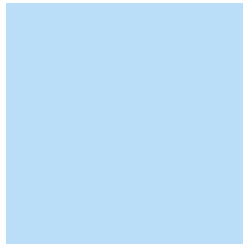
23.7033, 11.8970, 15.6778



2.2482, 1.1230, 1.7306

Previews

White Background



This preview shows how the XYZ color 63.3143, 69.4590, 98.8768 looks on a white background.

Color Contrast Check

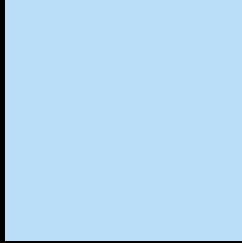
Large Text (above 18pt) WCAG AA × Fail

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 63.3143, 69.4590, 98.8768 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

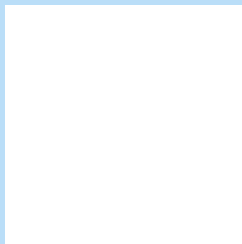
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.3143, 69.4590, 98.8768

Background



This preview shows how black text looks on a background with the XYZ color 63.3143, 69.4590, 98.8768.



This preview shows how white text looks on a background with the XYZ color 63.3143, 69.4590,

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

63.3143, 69.4590, 98.8768

Protanopia

68.0701, 69.2787, 95.3724

Deuteranopia

70.6738, 69.0203, 100.0398



Tritanopia

62.2724, 69.4405, 93.3403

Trichromacy



Original Color

63.3143, 69.4590, 98.8768

Protanomaly

66.1814, 69.4319, 96.2998

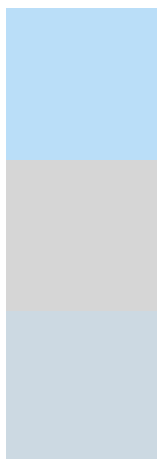
Deuteranomaly

67.6938, 68.9957, 99.3722

Tritanomaly

62.7244, 69.6213, 95.7203

Monochromacy



Original Color

63.3143, 69.4590, 98.8768

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.4422, 67.9541, 81.7242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3143, 69.4590, 98.8768 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(186, 222, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 222, 248) }
```

Border

The CSS property to change the border of an element to XYZ 63.3143, 69.4590, 98.8768 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, 248) }
```


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

```
.border{ border-color:rgb(186, 222, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 222, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 222, 248);  
box-shadow:4px 4px 4px 4px rgb(186, 222,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3143, 69.4590, 98.8768 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, 248) }
```

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

```
.background{ background-color: rgb(186,  
222, 248) }
```

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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