

Converting Colors

XYZ(63.3427, 69.4997,
104.6840)

Have a look what the booklet for
XYZ(63.3427, 69.4997, 104.6840)
contains.

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Color

**XYZ(63.2273, 69.2863,
104.6489)**

Conversions

Conversions Part 1

Format	Color
Hex	B5DEFF
RGB	181, 222, 255
RGB Percent	71%, 87%, 100%
CMY	0.2902, 0.1294, 0.0000
CMYK	0.29, 0.13, 0.00, 0.00
HSL	207°, 100%, 85%
HSV	207°, 29%, 100%
XYZ	63.2273, 69.2863, 104.6489
YIQ	213.5030, -35.0290, 1.5710

Conversions

Conversions Part 2

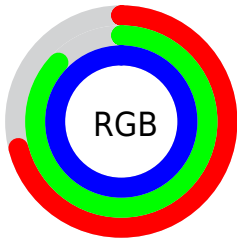
Format	Color
R _Y B	181, 207, 255
Decimal	11919103
CIE Lab	86.65, -5.96, -20.40
CIE LCh	87, 21.252, 253.703
Yxy	69.2863, 0.2666, 0.2921
Android (android.graphics.Color)	4290109183 (0xFFB5DEFF)
YUV	213.5030, 20.4580, -28.5051
Hunter-Lab	83.2384, -10.0798, -16.2736

Details

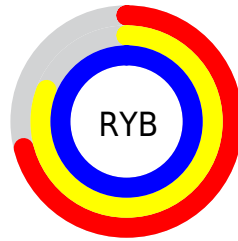
The XYZ color **63.2273, 69.2863, 104.6489** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.6271, 72.6890, 53.8676**, and the grayscale version is **63.4683, 66.7736, 72.7164**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **32.6159, 36.1503, 58.6847** is the 20% darker color. If you saturate the color by 10%, you get **54.8677, 60.6451, 103.4216**, and if you desaturate by 10%, it is **72.8887, 78.9043, 105.9961**.

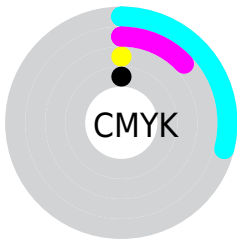
Distribution



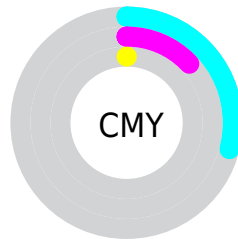
- Red (71%)
- Green (87%)
- Blue (100%)



- Red (71%)
- Yellow (81%)
- Blue (100%)



- Cyan (29%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2273, 69.2863, 104.6489 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 63.2273, 69.2863, 104.6489 by changing the saturation by 10% instead.

■ 63.2273, 69.2863,
104.6489

■ 63.2273, 69.2863,
104.6489

426.0405,
458.0401, 596.3704

■ 46.2845, 50.9449,
79.5502

■ 108.5773,
118.1904, 169.6387

■ 32.6759, 36.1648,
58.8243

137.7152,
149.5219, 210.3669

■ 22.0363, 24.5615,
42.0526

171.6489,
185.9522, 257.1420

■ 14.0004, 15.7506,
28.8166

210.7436,
227.8658, 310.3826

■ 8.2026, 9.3479,
18.6978

255.3648,
275.6470, 370.5072

■ 4.2778, 4.9688,
11.2775

305.8778,

■ 1.8604, 2.2290,

329.6801, 437.9343

6.1373

362.6479,
390.3497, 513.0825

■ 0.5537, 0.7357,
2.8586

■ 0.0000, 0.0000,
1.0229

■ 63.2273, 69.2863,
104.6489

■ 63.2273, 69.2863,
104.6489

■ 54.8677, 60.6451,
103.4216

■ 72.8887, 78.9043,
105.9961

■ 47.7404, 52.9340,
102.3088

■ 83.9052, 89.5273,
107.4660

■ 41.7777, 46.1137,
101.3067

95.0500, 100.0000,
108.9000

■ 36.9025, 40.1380,
100.4102

■ 33.0272, 34.9554,
99.6141

■ 30.0484, 30.5057,
98.9122

■ 27.8154, 26.7043,
98.2962

■ 27.6182, 26.3564,
98.2394

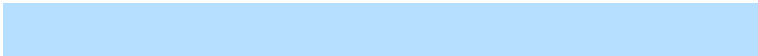
Harmonies

Analogous

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



59.2296, 69.2863, 95.8197



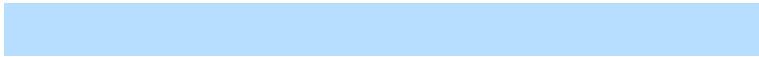
63.2273, 69.2863, 104.6489



68.1282, 69.2863, 105.0455

Triad

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



63.2273, 69.2863, 104.6489



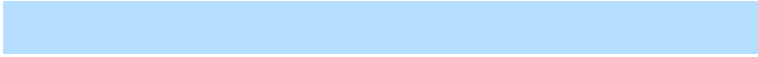
75.5111, 69.2863, 69.1843



59.5131, 69.2863, 57.4496

Complementary

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



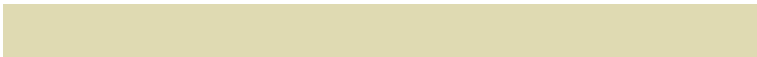
63.2273, 69.2863, 104.6489



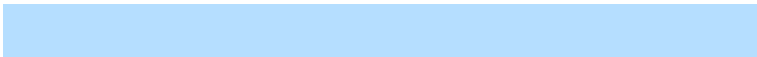
73.6271, 72.6890, 53.8676

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.



63.6320, 69.2863, 51.9975



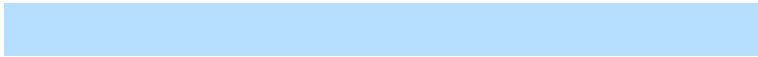
63.2273, 69.2863, 104.6489



72.9559, 69.2863, 58.1782

Square

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



63.2273, 69.2863, 104.6489



75.3893, 69.2863, 83.3275



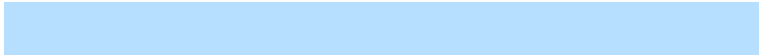
68.5536, 69.2863, 52.2463



57.1596, 69.2863, 68.0685

Rectangle

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



63.2273, 69.2863, 104.6489



71.2618, 69.2863, 100.3849



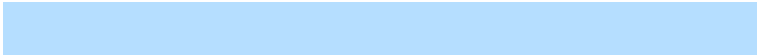
68.5536, 69.2863, 52.2463



60.7279, 69.2863, 55.0146

Sweetspot

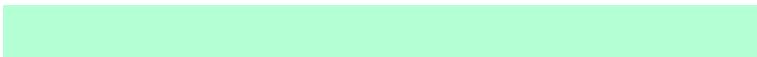
The Sweet Spot groups the original color and five complimentary colors.



63.2292, 69.2890, 104.6493



83.9267, 89.5477, 107.4688



66.8358, 86.1517, 76.1027



17.6021, 18.8223, 22.9553



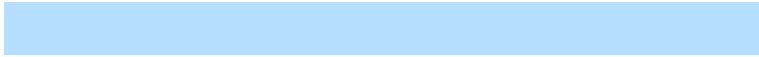
0.0000, 0.0000, 0.0000



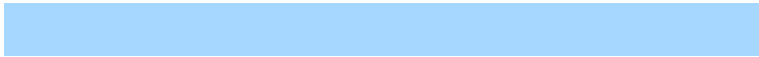
20.3446, 21.4041, 23.3091

Same Dimension

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



63.2292, 69.2890, 104.6493



58.0756, 64.0042, 103.9009



54.6523, 52.1352, 101.7903



17.8376, 19.0469, 22.9862



14.5825, 14.0745, 51.3827



1.5289, 1.5885, 5.0393

Inverse Universe

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



70.9499, 59.5832, 76.8715



67.1226, 53.3584, 71.1881



83.7872, 93.0091, 57.2543



18.4307, 18.1556, 20.8852



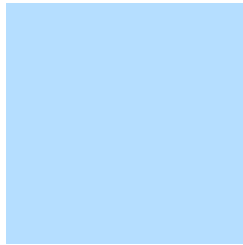
24.1488, 12.1488, 14.6997



2.4063, 1.2049, 1.7211

Previews

White Background



This preview shows how the XYZ color 63.2273, 69.2863, 104.6489 looks on a white background.

Color Contrast Check

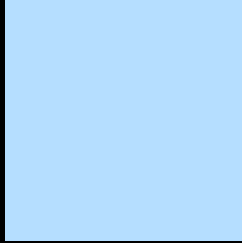
Large Text (above 18pt) WCAG AA × Fail

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 63.2273, 69.2863, 104.6489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

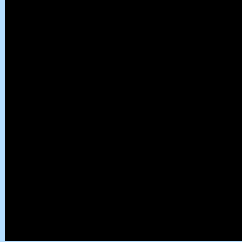
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

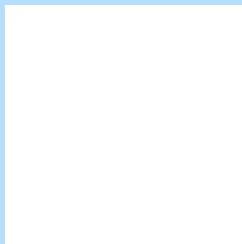
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2273, 69.2863, 104.6489

Background



This preview shows how black text looks on a background with the XYZ color 63.2273, 69.2863, 104.6489.

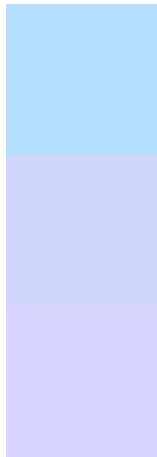


This preview shows how white text looks on a background with the XYZ color 63.2273, 69.2863,

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

63.2273, 69.2863, 104.6489

Protanopia

68.1341, 69.2046, 100.2093

Deuteranopia

70.2088, 69.0587, 104.2370



Tritanopia

61.0428, 69.1871, 94.1415

Trichromacy



Original Color

63.2273, 69.2863, 104.6489

Protanomaly

66.1953, 69.3132, 101.9854

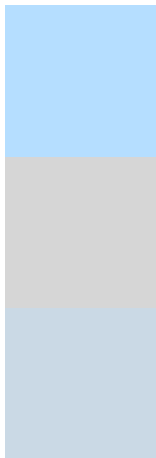
Deuteranomaly

67.5077, 69.1691, 104.4007

Tritanomaly

61.7666, 69.0745, 98.0729

Monochromacy



Original Color

63.2273, 69.2863, 104.6489

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.3128, 67.8394, 83.8861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2273, 69.2863, 104.6489 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(181, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.2273, 69.2863, 104.6489 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(181, 222, 255) }
```


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

```
.border{ border-color:rgb(181, 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(181, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2273, 69.2863, 104.6489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 222, 255) }
```

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

```
.background{ background-color: rgb(181,  
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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