

Converting Colors

XYZ(64.5016, 69.0799,
104.5419)

Have a look what the booklet for
XYZ(64.5016, 69.0799, 104.5419)
contains.

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Color

**XYZ(64.6295, 69.2252,
104.5632)**

Conversions

Conversions Part 1

Format	Color
Hex	BDDCFF
RGB	189, 220, 255
RGB Percent	74%, 86%, 100%
CMY	0.2588, 0.1372, 0.0000
CMYK	0.26, 0.14, 0.00, 0.00
HSL	212°, 100%, 87%
HSV	212°, 26%, 100%
XYZ	64.6295, 69.2252, 104.5632
YIQ	214.7210, -29.7110, 4.3130

Conversions

Conversions Part 2

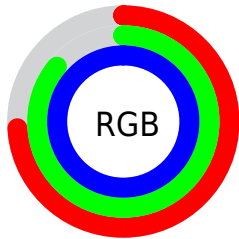
Format	Color
R_{YB}	189, 210, 255
Decimal	12442879
CIE _{Lab}	86.62, -2.63, -20.40
CIE _{LCh}	87, 20.565, 262.651
Yxy	69.2252, 0.2711, 0.2904
Android (android.graphics.Color)	4290632959 (0xFFBDDCFF)
YUV	214.7210, 19.8575, -22.5573
Hunter-Lab	83.2017, -6.9475, -16.2712

Details

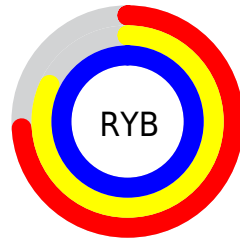
The XYZ color **64.6295, 69.2252, 104.5632** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.0811, 78.2451, 59.1862**, and the grayscale version is **64.2887, 67.6367, 73.6564**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **33.4797, 36.0558, 58.6210** is the 20% darker color. If you saturate the color by 10%, you get **55.4452, 59.4351, 103.1576**, and if you desaturate by 10%, it is **75.2168, 80.1681, 106.1174**.

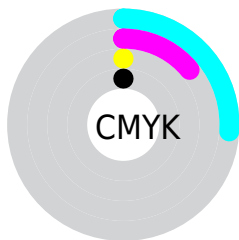
Distribution



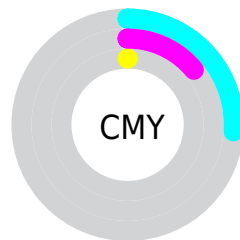
- Red (74%)
- Green (86%)
- Blue (100%)



- Red (74%)
- Yellow (82%)
- Blue (100%)



- Cyan (26%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6295, 69.2252, 104.5632 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 64.6295, 69.2252, 104.5632 by changing the saturation by 10% instead.

■ 64.6295, 69.2252,
104.5632

■ 64.6295, 69.2252,
104.5632

431.0256,
457.8248, 596.0969

■ 47.4243, 50.8951,
79.4789

■ 110.5857,
118.1032, 169.5204

■ 33.5806, 36.1252,
58.7660

140.0674,
149.4199, 210.2304

■ 22.7329, 24.5309,
42.0060

174.3720,
185.8342, 256.9859

■ 14.5160, 15.7279,
28.7804

213.8648,
227.7307, 310.2057

■ 8.5645, 9.3318,
18.6706

258.9113,
275.4935, 370.3081

■ 4.5131, 4.9582,
11.2581

309.8766,

■ 1.9963, 2.2228,

329.5073, 437.7117

6.1244

367.1263,
390.1562, 512.8352

■ 0.6319, 0.7324,
2.8508

■ 0.0000, 0.0000,
1.0190

■ 64.6295, 69.2252,
104.5632

■ 64.6295, 69.2252,
104.5632

■ 55.4452, 59.4351,
103.1576

■ 75.2168, 80.1681,
106.1174

■ 47.5931, 50.7461,
101.8943

■ 87.2617, 92.2966,
107.8236

■ 41.0045, 43.1143,
100.7685

95.0500, 100.0000,
108.9000

■ 35.6020, 36.4887,
99.7743

■ 31.2981, 30.8132,
98.9057

■ 27.9920, 26.0238,
98.1555

■ 25.5598, 22.0443,
97.5156

■ 24.7403, 20.6006,
97.2801

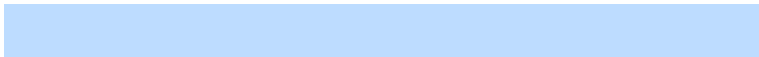
Harmonies

Analogous

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



60.3843, 69.2252, 98.2592



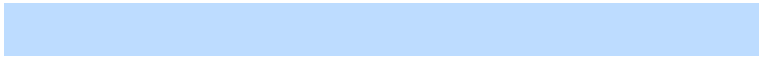
64.6295, 69.2252, 104.5632



69.3946, 69.2252, 102.3262

Triad

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



64.6295, 69.2252, 104.5632



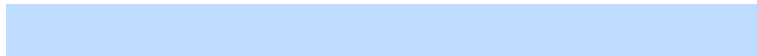
74.6348, 69.2252, 65.6985



58.7670, 69.2252, 60.5268

Complementary

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



64.6295, 69.2252, 104.5632



77.0811, 78.2451, 59.1862

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.



62.3249, 69.2252, 53.6268



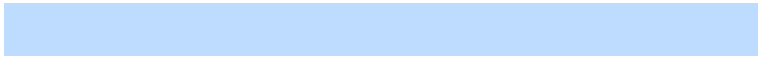
64.6295, 69.2252, 104.5632



71.5228, 69.2252, 56.3512

Square

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



64.6295, 69.2252, 104.5632



75.3249, 69.2252, 78.7868



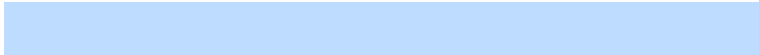
66.9774, 69.2252, 52.1961



57.1075, 69.2252, 72.0621

Rectangle

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



64.6295, 69.2252, 104.5632



72.2125, 69.2252, 96.4060



66.9774, 69.2252, 52.1961



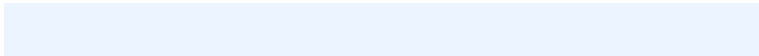
59.7722, 69.2252, 57.6484

Sweetspot

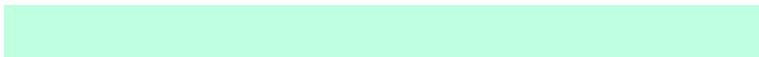
The Sweet Spot groups the original color and five complimentary colors.



64.6314, 69.2279, 104.5636



84.5847, 89.6255, 107.4491



70.0801, 87.6724, 83.1128



17.7065, 18.7847, 22.9425



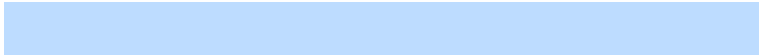
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



64.6314, 69.2279, 104.5636



59.7582, 64.0743, 103.8257



57.5093, 54.5771, 102.1111



17.7065, 18.7847, 22.9425



13.0739, 11.0574, 50.8798



1.3812, 1.2931, 4.9901

Inverse Universe

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



72.3572, 62.8242, 76.0258



68.7763, 57.0994, 70.4021



85.7822, 96.2462, 62.2022



18.3645, 18.1291, 20.5367



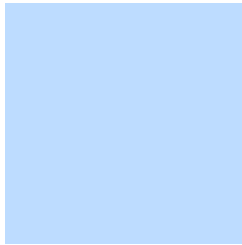
23.3873, 11.8442, 10.6900



2.3318, 1.1751, 1.3286

Previews

White Background



This preview shows how the XYZ color 64.6295, 69.2252, 104.5632 looks on a white background.

Color Contrast Check

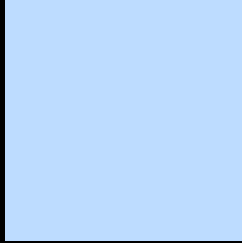
Large Text (above 18pt) WCAG AA × Fail

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 64.6295, 69.2252, 104.5632 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

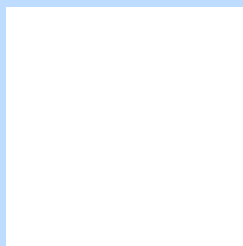
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6295, 69.2252, 104.5632

Background



This preview shows how black text looks on a background with the XYZ color 64.6295, 69.2252, 104.5632.



This preview shows how white text looks on a background with the XYZ color 64.6295, 69.2252,

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

64.6295, 69.2252, 104.5632

Protanopia

68.2914, 69.2676, 101.0374

Deuteranopia

70.5069, 69.2124, 104.2510



Tritanopia

62.0992, 68.9729, 92.4782

Trichromacy



Original Color

64.6295, 69.2252, 104.5632

Protanomaly

66.7407, 69.2105, 101.9368

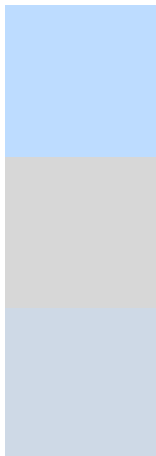
Deuteranomaly

68.0826, 69.0863, 104.3544

Tritanomaly

62.8314, 68.8703, 96.3679

Monochromacy



Original Color

64.6295, 69.2252, 104.5632

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.5494, 68.4607, 84.6750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6295, 69.2252, 104.5632 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(189, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.6295, 69.2252, 104.5632 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(189, 220, 255) }
```


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

```
.border{ border-color:rgb(189, 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(189, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6295, 69.2252, 104.5632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 220, 255) }
```

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

```
.background{ background-color: rgb(189,  
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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