

Converting Colors

XYZ(89.7280, 80.4923,
243.4734)

Have a look what the booklet for
XYZ(89.7280, 80.4923, 243.4734)
contains.

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Color

**XYZ(63.2601, 69.6987,
104.7268)**

Conversions

Conversions Part 1

Format	Color
Hex	B4DFFF
RGB	180, 223, 255
RGB Percent	71%, 87%, 100%
CMY	0.2941, 0.1255, 0.0000
CMYK	0.29, 0.13, 0.00, 0.00
HSL	206°, 100%, 85%
HSV	206°, 29%, 100%
XYZ	63.2601, 69.6987, 104.7268
YIQ	213.7910, -35.9000, 0.8360

Conversions

Conversions Part 2

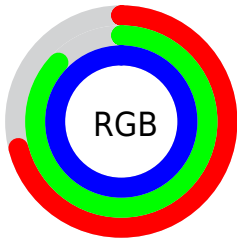
Format	Color
R_{YB}	180, 207, 255
Decimal	11853823
CIE _{Lab}	86.85, -6.76, -20.10
CIE _{LCh}	87, 21.204, 251.397
Yxy	69.6987, 0.2662, 0.2932
Android (android.graphics.Color)	4290043903 (0xFFB4DFFF)
YUV	213.7910, 20.3160, -29.6347
Hunter-Lab	83.4857, -10.8443, -15.9350

Details

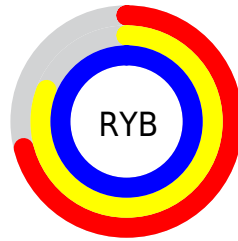
The XYZ color **63.2601, 69.6987, 104.7268** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.0218, 71.6420, 53.1615**, and the grayscale version is **63.6628, 66.9782, 72.9393**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **32.6531, 36.4425, 58.7392** is the 20% darker color. If you saturate the color by 10%, you get **55.0473, 61.2892, 103.5364**, and if you desaturate by 10%, it is **72.7556, 79.0501, 106.0313**.

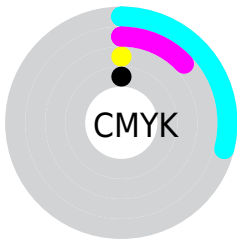
Distribution



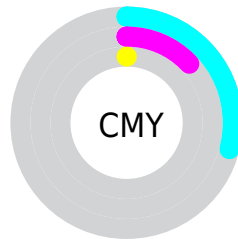
- Red (71%)
- Green (87%)
- Blue (100%)



- 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 63.2601, 69.6987, 104.7268 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 63.2601, 69.6987, 104.7268 by changing the saturation by 10% instead.

■ 63.2601, 69.6987,
104.7268

■ 63.2601, 69.6987,
104.7268

426.1575,
459.4914, 596.6189

■ 46.3111, 51.2809,
79.6151

■ 108.6244,
118.7790, 169.7462

■ 32.6970, 36.4322,
58.8774

137.7704,
150.2103, 210.4910

■ 22.0526, 24.7682,
42.0951

171.7127,
186.7482, 257.2838

■ 14.0124, 15.9044,
28.8496

210.8168,
228.7772, 310.5434

■ 8.2110, 9.4566,
18.7225

255.4480,
276.6816, 370.6881

■ 4.2832, 5.0402,
11.2951

305.9716,

■ 1.8636, 2.2708,

330.8459, 438.1366

6.1491

362.7530,
391.6543, 513.3073

■ 0.5555, 0.7582,
2.8657

■ 0.0000, 0.0000,
1.0265

■ 63.2601, 69.6987,
104.7268

■ 63.2601, 69.6987,
104.7268

■ 55.0473, 61.2892,
103.5364

■ 72.7556, 79.0501,
106.0313

■ 48.0479, 53.7756,
102.4551

■ 83.5867, 89.3706,
107.4525

■ 42.1945, 47.1196,
101.4788

95.0500, 100.0000,
108.9000

■ 37.4103, 41.2761,
100.6031

■ 33.6076, 36.1942,
99.8226

■ 30.6830, 31.8148,
99.1314

■ 28.4794, 28.0509,
98.5211

■ 28.3612, 27.8425,
98.4871

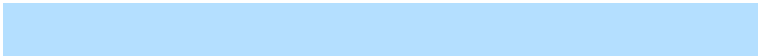
Harmonies

Analogous

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



59.3685, 69.6987, 95.3541



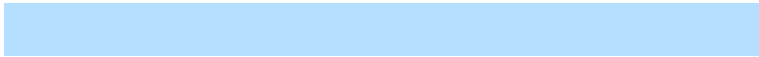
63.2601, 69.6987, 104.7268



68.1428, 69.6987, 105.8283

Triad

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



63.2601, 69.6987, 104.7268



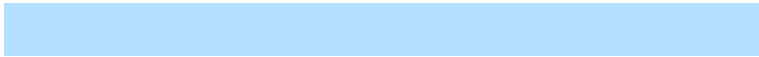
76.0088, 69.6987, 70.6363



60.1572, 69.6987, 57.2449

Complementary

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



63.2601, 69.6987, 104.7268



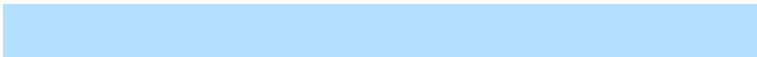
73.0218, 71.6420, 53.1615

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.



64.3857, 69.6987, 52.2085



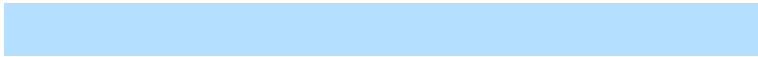
63.2601, 69.6987, 104.7268



73.6363, 69.6987, 59.2732

Square

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



63.2601, 69.6987, 104.7268



75.6705, 69.6987, 84.9103



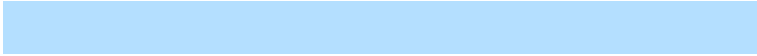
69.3255, 69.6987, 52.9016



57.6394, 69.6987, 67.5324

Rectangle

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



63.2601, 69.6987, 104.7268



71.3233, 69.6987, 101.5808



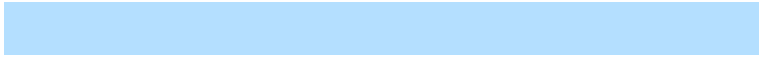
69.3255, 69.6987, 52.9016



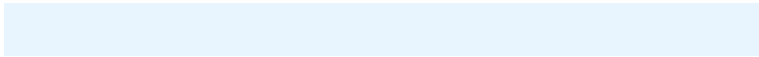
61.4166, 69.6987, 54.9431

Sweetspot

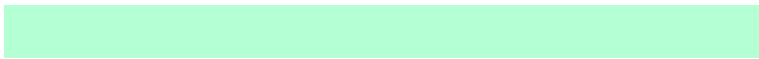
The Sweet Spot groups the original color and five complimentary colors.



63.2620, 69.7014, 104.7272



84.0606, 89.8154, 107.5134



66.3727, 85.9395, 74.8836



17.6351, 18.8883, 22.9663



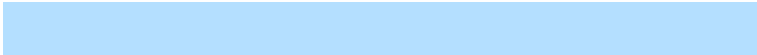
0.0000, 0.0000, 0.0000



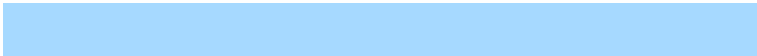
20.3446, 21.4041, 23.3091

Same Dimension

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



63.2620, 69.7014, 104.7272



58.5166, 64.8862, 104.0479



54.4855, 52.1483, 101.8017



17.8678, 19.1072, 22.9963



14.9705, 14.8506, 51.5120



1.5660, 1.6628, 5.0517

Inverse Universe

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



70.8818, 59.2319, 77.5121



67.3452, 53.4474, 72.3603



83.2771, 92.1525, 56.5799



18.4459, 18.1617, 20.9654



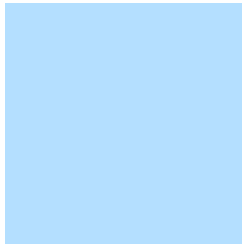
24.3446, 12.2271, 15.7312



2.4251, 1.2124, 1.8198

Previews

White Background



This preview shows how the XYZ color 63.2601, 69.6987, 104.7268 looks on a white background.

Color Contrast Check

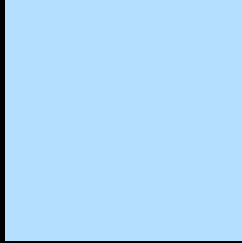
Large Text (above 18pt) WCAG AA × Fail

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 63.2601, 69.6987, 104.7268 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

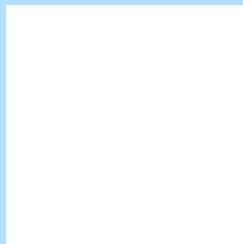
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2601, 69.6987, 104.7268

Background



This preview shows how black text looks on a background with the XYZ color 63.2601, 69.6987, 104.7268.



This preview shows how white text looks on a background with the XYZ color 63.2601, 69.6987,

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

63.2601, 69.6987, 104.7268

Protanopia

68.4197, 69.3519, 100.2226

Deuteranopia

70.5069, 69.2124, 104.2510



Tritanopia

61.2343, 69.6686, 95.0140

Trichromacy



Original Color

63.2601, 69.6987, 104.7268

Protanomaly

66.4615, 69.4504, 101.9978

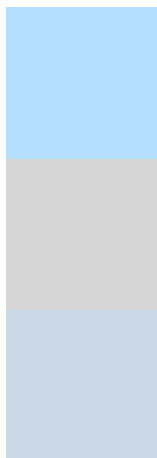
Deuteranomaly

67.5077, 69.1691, 104.4007

Tritanomaly

61.8043, 69.4917, 98.1515

Monochromacy



Original Color

63.2601, 69.6987, 104.7268

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 63.2601, 69.6987, 104.7268 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(180, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 223, 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(180, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 223, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.2601, 69.6987, 104.7268 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(180, 223, 255) }
```


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

```
.border{ border-color:rgb(180, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 223,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2601, 69.6987, 104.7268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 223, 255) }
```

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

```
.background{ background-color: rgb(180,  
223, 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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