

Converting Colors

XYZ(56.1691, 63.9567,
103.9922)

Have a look what the booklet for
XYZ(56.1691, 63.9567, 103.9922)
contains.

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Color

**XYZ(56.2583, 64.1351,
104.0219)**

Conversions

Conversions Part 1

Format	Color
Hex	99DAFF
RGB	153, 218, 255
RGB Percent	60%, 85%, 100%
CMY	0.4000, 0.1451, 0.0000
CMYK	0.40, 0.15, 0.00, 0.00
HSL	202°, 100%, 80%
HSV	202°, 40%, 100%
XYZ	56.2583, 64.1351, 104.0219
YIQ	202.7830, -50.6170, -2.2730

Conversions

Conversions Part 2

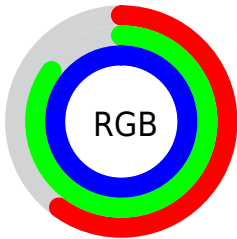
Format	Color
R _Y B	153, 193, 255
Decimal	10083071
CIE Lab	84.04, -11.38, -24.50
CIE LCh	84, 27.016, 245.088
Yxy	64.1351, 0.2507, 0.2858
Android (android.graphics.Color)	4288273151 (0xFF99DAFF)
YUV	202.7830, 25.7430, -43.6597
Hunter-Lab	80.0844, -14.7536, -20.9529

Details

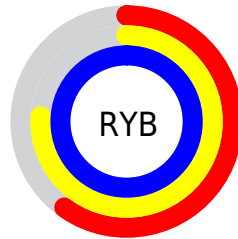
The XYZ color **56.2583, 64.1351, 104.0219** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.4038, 60.3874, 38.3478**, and the grayscale version is **56.4967, 59.4390, 64.7290**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **28.2200, 32.8130, 58.2723** is the 20% darker color. If you saturate the color by 10%, you get **49.6180, 57.2513, 103.0432**, and if you desaturate by 10%, it is **64.0645, 71.8216, 105.0941**.

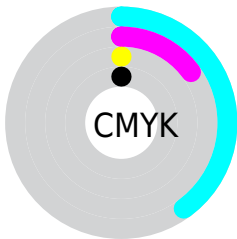
Distribution



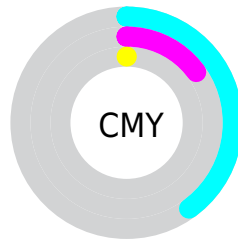
- Red (60%)
- Green (85%)
- Blue (100%)



- Red (60%)
- Yellow (76%)
- Blue (100%)



- Cyan (40%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2583, 64.1351, 104.0219 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 56.2583, 64.1351, 104.0219 by changing the saturation by 10% instead.

■ 56.2583, 64.1351,
104.0219

■ 56.2583, 64.1351,
104.0219

400.7235,
439.6773, 594.3682

■ 40.6479, 46.7601,
79.0281

■ 98.5198, 110.8055,
168.7732

■ 28.2305, 32.8460,
58.3974

■ 125.9015,
140.8697, 209.3678

■ 18.6408, 22.0085,
41.7114

157.9377,
175.9323, 255.9997

■ 11.5135, 13.8632,
28.5515

194.9938,
216.3779, 309.0875

■ 6.4832, 8.0256,
18.4992

237.4350,
262.5909, 369.0497

■ 3.1845, 4.1113,
11.1358

285.6268,

■ 1.2520, 1.7360,

314.9555, 436.3048

6.0429

339.9345,
373.8562, 511.2715

■ 0.1469, 0.4468,
2.8020

■ 0.0000, 0.0000,
0.9944

■ 56.2583, 64.1351,
104.0219

■ 56.2583, 64.1351,
104.0219

■ 49.6180, 57.2513,
103.0432

■ 64.0645, 71.8216,
105.0941

■ 44.0698, 51.1245,
102.1530

■ 73.0935, 80.3388,
106.2622

■ 39.5395, 45.7148,
101.3476

■ 83.4048, 89.7221,
107.5299

■ 35.9405, 40.9740,
100.6222

95.0500, 100.0000,
108.9000

■ 33.1696, 36.8455,
99.9714

■ 31.0598, 33.2395,
99.3866

■ 31.0595, 33.2389,
99.3865

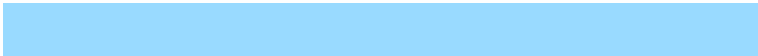
Harmonies

Analogous

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



52.0552, 64.1351, 90.4445



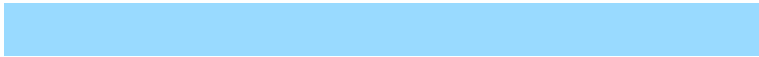
56.2583, 64.1351, 104.0219



61.9802, 64.1351, 107.8825

Triad

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



56.2583, 64.1351, 104.0219



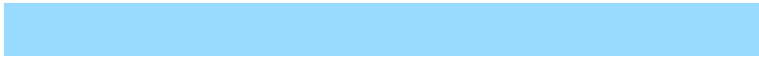
73.0984, 64.1351, 66.9624



54.6065, 64.1351, 46.2753

Complementary

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



56.2583, 64.1351, 104.0219



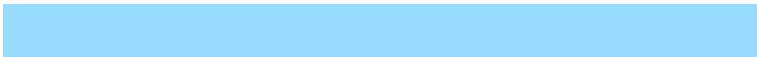
65.4038, 60.3874, 38.3478

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.



59.9480, 64.1351, 41.9811



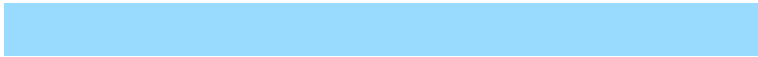
56.2583, 64.1351, 104.0219



70.8231, 64.1351, 52.6167

Square

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



56.2583, 64.1351, 104.0219



71.9520, 64.1351, 84.5869



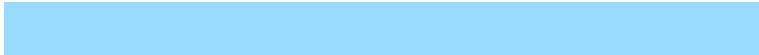
65.9134, 64.1351, 44.0985



51.1460, 64.1351, 56.9016

Rectangle

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



56.2583, 64.1351, 104.0219



65.9469, 64.1351, 103.9665



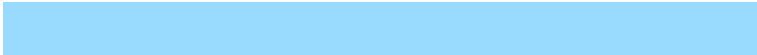
65.9134, 64.1351, 44.0985



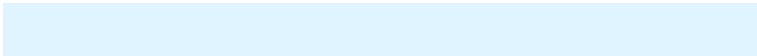
56.2282, 64.1351, 44.1298

Sweetspot

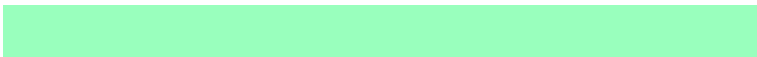
The Sweet Spot groups the original color and five complimentary colors.



56.2601, 64.1375, 104.0223



81.2354, 87.7728, 107.2680



58.0509, 81.9540, 60.7344



17.0908, 18.5189, 22.9237



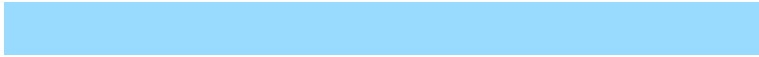
0.0000, 0.0000, 0.0000



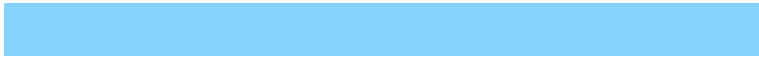
20.3446, 21.4041, 23.3091

Same Dimension

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



56.2601, 64.1375, 104.0223



50.8554, 58.5652, 103.2316



45.2466, 42.1104, 100.3511



17.9683, 19.3083, 23.0298



16.3762, 17.6619, 51.9806



1.6984, 1.9275, 5.0958

Inverse Universe

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



65.2874, 49.1062, 72.3696



61.2809, 42.6090, 66.3615



78.0622, 85.7042, 42.5673



18.4967, 18.1820, 21.2326



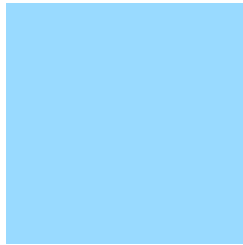
25.0541, 12.5109, 19.4673



2.4919, 1.2391, 2.1716

Previews

White Background



This preview shows how the XYZ color 56.2583, 64.1351, 104.0219 looks on a white background.

Color Contrast Check

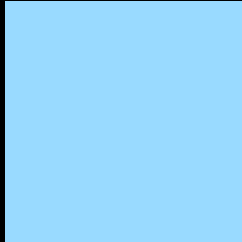
Large Text (above 18pt) WCAG AA × Fail

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 56.2583, 64.1351, 104.0219 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

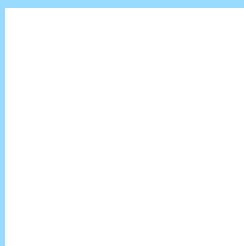
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.2583, 64.1351, 104.0219

Background



This preview shows how black text looks on a background with the XYZ color 56.2583, 64.1351, 104.0219.

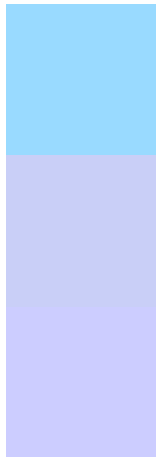


This preview shows how white text looks on a background with the XYZ color 56.2583, 64.1351,

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

56.2583, 64.1351, 104.0219

Protanopia

63.1887, 63.7586, 96.9719

Deuteranopia

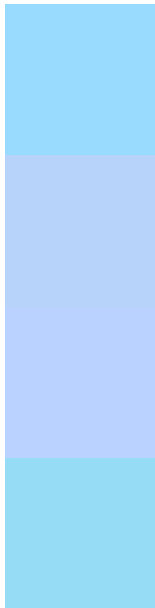
64.7832, 63.7200, 103.4925



Tritanopia

53.8309, 64.3345, 91.2420

Trichromacy



Original Color

56.2583, 64.1351, 104.0219

Protanomaly

60.3167, 63.6810, 99.5551

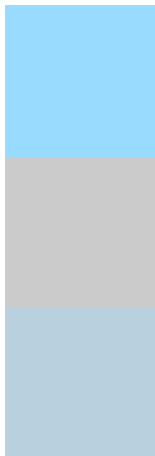
Deuteranomaly

61.1042, 63.6275, 103.6685

Tritanomaly

54.6523, 64.2630, 95.9097

Monochromacy



Original Color

56.2583, 64.1351, 104.0219

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

55.7483, 60.7000, 77.8853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2583, 64.1351, 104.0219 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(153, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 218, 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(153, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.2583, 64.1351, 104.0219 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(153, 218, 255) }
```


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

```
.border{ border-color:rgb(153, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2583, 64.1351, 104.0219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 218, 255) }
```

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

```
.background{ background-color: rgb(153,  
218, 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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