

Converting Colors

XYZ(56.2461, 62.8243,
103.7695)

Have a look what the booklet for
XYZ(56.2461, 62.8243, 103.7695)
contains.

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Color

**XYZ(56.4510, 63.0900,
103.8100)**

Conversions

Conversions Part 1

Format	Color
Hex	9ED7FF
RGB	158, 215, 255
RGB Percent	62%, 84%, 100%
CMY	0.3804, 0.1568, 0.0000
CMYK	0.38, 0.16, 0.00, 0.00
HSL	205°, 100%, 81%
HSV	205°, 38%, 100%
XYZ	56.4510, 63.0900, 103.8100
YIQ	202.5170, -46.8120, 0.3560

Conversions

Conversions Part 2

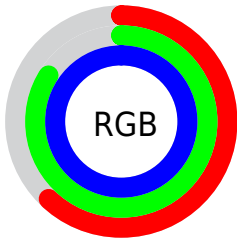
Format	Color
R _Y B	158, 194, 255
Decimal	10409983
CIE _{Lab}	83.49, -8.55, -25.31
CIE _{LCh}	83, 26.714, 251.342
Y _{xy}	63.0900, 0.2527, 0.2825
Android (android.graphics.Color)	4288600063 (0xFF9ED7FF)
YUV	202.5170, 25.8741, -39.0414
Hunter-Lab	79.4292, -12.1397, -21.8886

Details

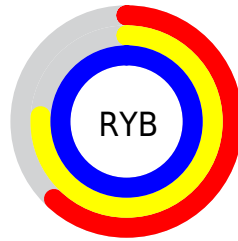
The XYZ color **56.4510, 63.0900, 103.8100** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.6061, 64.1172, 41.1623**, and the grayscale version is **56.3278, 59.2613, 64.5355**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **28.2433, 32.0436, 58.1225** is the 20% darker color. If you saturate the color by 10%, you get **49.3540, 55.5848, 102.7354**, and if you desaturate by 10%, it is **64.7643, 71.4806, 104.9914**.

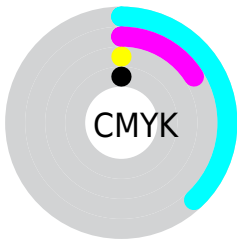
Distribution



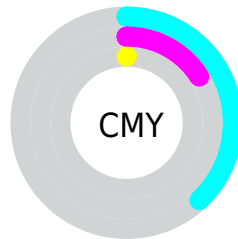
- Red (62%)
- Green (84%)
- Blue (100%)



- Red (62%)
- Yellow (76%)
- Blue (100%)



- Cyan (38%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.4510, 63.0900, 103.8100 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 56.4510, 63.0900, 103.8100 by changing the saturation by 10% instead.

■ 56.4510, 63.0900,
103.8100

■ 56.4510, 63.0900,
103.8100

401.4364,
435.8960, 593.6907

■ 40.8030, 45.9140,
78.8517

■ 98.7997, 109.2993,
168.4806

■ 28.3522, 32.1780,
58.2533

■ 126.2311,
139.1015, 209.0299

■ 18.7331, 21.4975,
41.5962

158.3211,
173.8812, 255.6134

■ 11.5805, 13.4881,
28.4621

195.4349,
214.0227, 308.6494

■ 6.5289, 7.7655,
18.4322

237.9381,
259.9106, 368.5566

■ 3.2129, 3.9453,
11.0881

286.1958,

■ 1.2673, 1.6430,

311.9292, 435.7536

6.0112

340.5735,
370.4629, 510.6588

■ 0.1586, 0.3863,
2.7830

■ 0.0000, 0.0000,
0.9849

■ 56.4510, 63.0900,
103.8100

■ 56.4510, 63.0900,
103.8100

■ 49.3540, 55.5848,
102.7354

■ 64.7643, 71.4806,
104.9914

■ 43.3999, 48.9180,
101.7625

■ 74.3509, 80.7862,
106.2823

■ 38.5150, 43.0483,
100.8869

■ 85.2704, 91.0437,
107.6867

■ 34.6140, 37.9266,
100.1040

95.0500, 100.0000,
108.9000

■ 31.5963, 33.4958,
99.4078

■ 29.3270, 29.6809,
98.7910

■ 28.9325, 28.9851,
98.6775

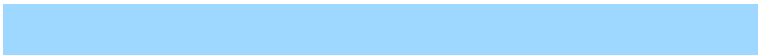
Harmonies

Analogous

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



51.9389, 63.0900, 92.1506



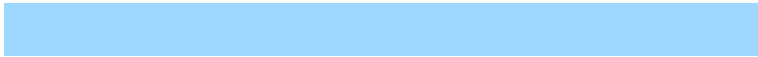
56.4510, 63.0900, 103.8100



62.1963, 63.0900, 105.2119

Triad

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



56.4510, 63.0900, 103.8100



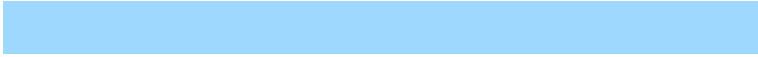
71.6377, 63.0900, 62.5735



52.8630, 63.0900, 47.3058

Complementary

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



56.4510, 63.0900, 103.8100



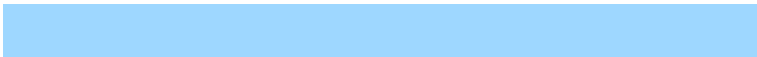
67.6061, 64.1172, 41.1623

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.



57.7880, 63.0900, 41.7867



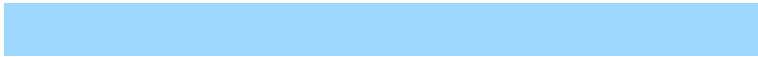
56.4510, 63.0900, 103.8100



68.7784, 63.0900, 49.6000

Square

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



56.4510, 63.0900, 103.8100



71.2218, 63.0900, 79.4819



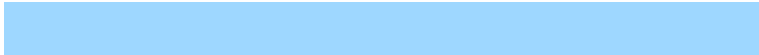
63.6222, 63.0900, 42.5522



49.9618, 63.0900, 58.9298

Rectangle

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



56.4510, 63.0900, 103.8100



65.9852, 63.0900, 99.9134



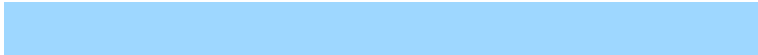
63.6222, 63.0900, 42.5522



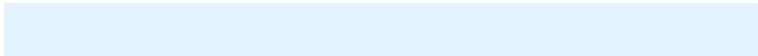
54.3229, 63.0900, 44.7673

Sweetspot

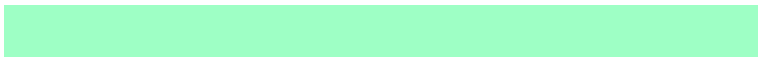
The Sweet Spot groups the original color and five complimentary colors.



56.4528, 63.0924, 103.8104



81.8933, 87.9038, 107.2586



59.9168, 82.8117, 65.5311



17.2063, 18.5136, 22.9166



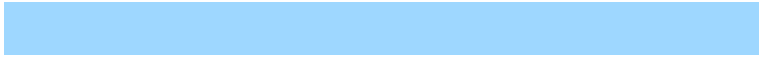
0.0000, 0.0000, 0.0000



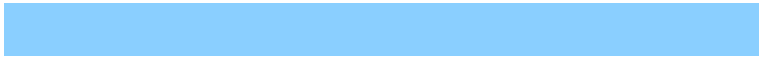
20.3446, 21.4041, 23.3091

Same Dimension

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



56.4528, 63.0924, 103.8104



50.7053, 57.0449, 102.9461



46.0994, 42.3856, 100.3593



17.8902, 19.1520, 23.0037



15.2686, 15.4468, 51.6114



1.5944, 1.7194, 5.0611

Inverse Universe

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



65.7338, 50.6217, 70.5990



61.5029, 43.8380, 64.0155



80.1553, 89.2155, 45.3454



18.4572, 18.1662, 21.0249



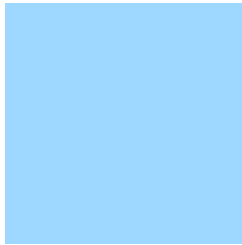
24.4951, 12.2873, 16.5234



2.4394, 1.2181, 1.8951

Previews

White Background



This preview shows how the XYZ color 56.4510, 63.0900, 103.8100 looks on a white background.

Color Contrast Check

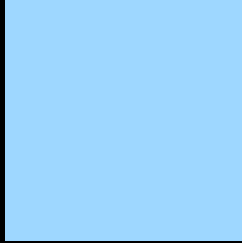
Large Text (above 18pt) WCAG AA × Fail

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 56.4510, 63.0900, 103.8100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

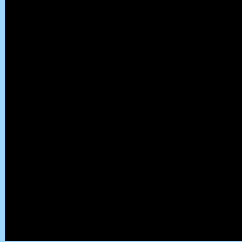
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.4510, 63.0900, 103.8100

Background



This preview shows how black text looks on a background with the XYZ color 56.4510, 63.0900, 103.8100.



This preview shows how white text looks on a background with the XYZ color 56.4510, 63.0900,

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

56.4510, 63.0900, 103.8100

Protanopia

62.0633, 62.4457, 97.5891

Deuteranopia

63.7631, 62.4884, 103.3085



Tritanopia

53.3486, 62.9712, 88.6998

Trichromacy



Original Color

56.4510, 63.0900, 103.8100

Protanomaly

59.7415, 62.6332, 100.2075

Deuteranomaly

60.6125, 62.2848, 103.4353

Tritanomaly

54.5081, 63.0653, 94.0940

Monochromacy



Original Color

56.4510, 63.0900, 103.8100

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

55.9912, 60.4644, 77.8270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4510, 63.0900, 103.8100 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(158, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 215, 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(158, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 215, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.4510, 63.0900, 103.8100 is called "border". The border property can be set on classes, ids or directly on the HTML element.

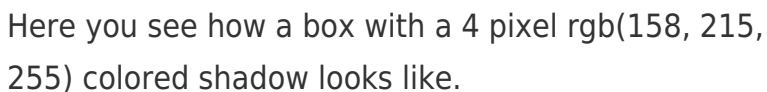
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 215, 255) }
```


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

```
.border{ border-color:rgb(158, 215, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 215,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4510, 63.0900, 103.8100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 215, 255) }
```

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

```
.background{ background-color: rgb(158,  
215, 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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