

Converting Colors

XYZ(56.9471, 65.7852,
104.3041)

Have a look what the booklet for
XYZ(56.9471, 65.7852, 104.3041)
contains.

XYZ(56.8553, 65.6083, 104.2748)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.8553, 65.6083,
104.2748)**

Conversions

Conversions Part 1

Format	Color
Hex	98DDFF
RGB	152, 221, 255
RGB Percent	60%, 87%, 100%
CMY	0.4039, 0.1333, 0.0000
CMYK	0.40, 0.13, 0.00, 0.00
HSL	200°, 100%, 80%
HSV	200°, 40%, 100%
XYZ	56.8553, 65.6083, 104.2748
YIQ	204.2450, -52.0380, -4.0540

Conversions

Conversions Part 2

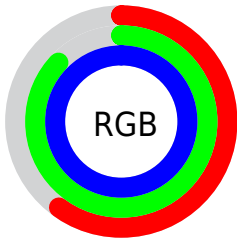
Format	Color
RYB	152, 193, 255
Decimal	10018303
CIELab	84.80, -13.18, -23.35
CIELCh	85, 26.812, 240.565
Yxy	65.6083, 0.2508, 0.2894
Android (android.graphics.Color)	4288208383 (0xFF98DDFF)
YUV	204.2450, 25.0222, -45.8189
Hunter-Lab	80.9990, -16.4543, -19.6283

Details

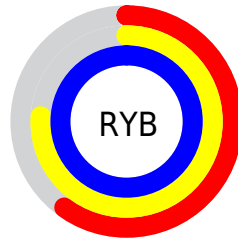
The XYZ color **56.8553, 65.6083, 104.2748** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.4668, 58.6451, 37.6294**, and the grayscale version is **57.4213, 60.4117, 65.7883**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **28.5486, 33.7825, 58.4421** is the 20% darker color. If you saturate the color by 10%, you get **50.4192, 59.0750, 103.3530**, and if you desaturate by 10%, it is **64.4324, 72.8982, 105.2825**.

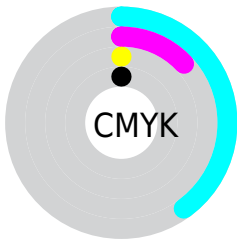
Distribution



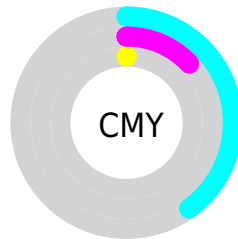
- Red (60%)
- Green (87%)
- Blue (100%)



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



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8553, 65.6083, 104.2748 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 56.8553, 65.6083, 104.2748 by changing the saturation by 10% instead.

■ 56.8553, 65.6083,
104.2748

■ 56.8553, 65.6083,
104.2748

402.9298,
444.9747, 595.1762

■ 41.1288, 47.9545,
79.2387

■ 99.3866, 112.9240,
169.1224

■ 28.6078, 33.7909,
58.5696

■ 126.9221,
143.3546, 209.7709

■ 18.9271, 22.7330,
41.8490

159.1246,
178.8130, 256.4606

■ 11.7213, 14.3965,
28.6584

196.3594,
219.6835, 309.6100

■ 6.6251, 8.3969,
18.5792

238.9920,
266.3505, 369.6378

■ 3.2730, 4.3500,
11.1929

287.3877,

■ 1.2997, 1.8712,

319.1985, 436.9624

6.0809

341.9119,
378.6117, 512.0023

■ 0.1830, 0.5310,
2.8248

■ 0.0000, 0.0000,
1.0059

■ 56.8553, 65.6083,
104.2748

■ 56.8553, 65.6083,
104.2748

■ 50.4192, 59.0750,
103.3530

■ 64.4324, 72.8982,
105.2825

■ 45.0506, 53.2536,
102.5123

■ 73.2070, 80.9716,
106.3784

■ 40.6756, 48.1049,
101.7491

■ 83.2383, 89.8630,
107.5659

■ 37.2074, 43.5818,
101.0588

94.5798, 99.6021,
108.8480

■ 34.5428, 39.6284,
100.4362

95.0500, 100.0000,
108.9000

■ 32.5811, 36.2821,
99.8937

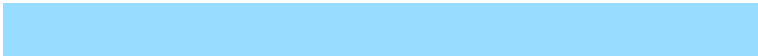
Harmonies

Analogous

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



52.9366, 65.6083, 89.6033



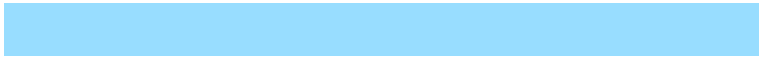
56.8553, 65.6083, 104.2748



62.4725, 65.6083, 109.8620

Triad

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



56.8553, 65.6083, 104.2748



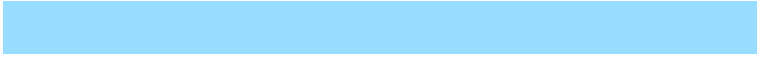
74.6303, 65.6083, 71.1110



56.6703, 65.6083, 46.5807

Complementary

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



56.8553, 65.6083, 104.2748



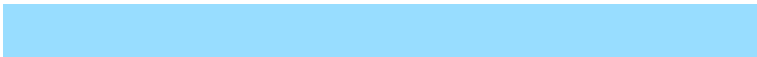
64.4668, 58.6451, 37.6294

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.



62.2450, 65.6083, 43.2121



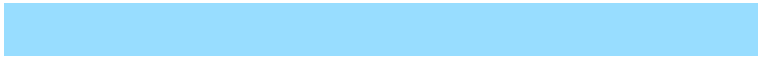
56.8553, 65.6083, 104.2748



72.8373, 65.6083, 55.9074

Square

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



56.8553, 65.6083, 104.2748



72.9635, 65.6083, 88.9487



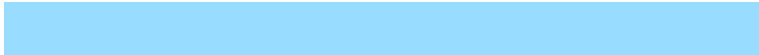
68.2063, 65.6083, 46.3362



52.8347, 65.6083, 56.3880

Rectangle

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



56.8553, 65.6083, 104.2748



66.5026, 65.6083, 107.0808



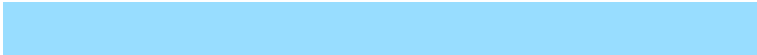
68.2063, 65.6083, 46.3362



58.3906, 65.6083, 44.7355

Sweetspot

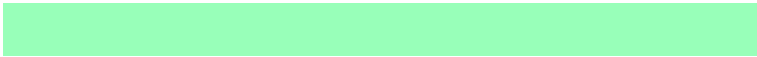
The Sweet Spot groups the original color and five complimentary colors.



56.8572, 65.6107, 104.2752



81.5367, 88.3755, 107.3685



57.4265, 81.6825, 58.4283



17.1619, 18.6610, 22.9474



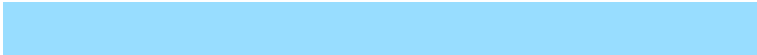
0.0000, 0.0000, 0.0000



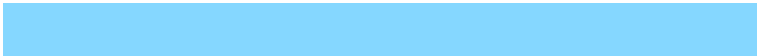
20.3446, 21.4041, 23.3091

Same Dimension

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



56.8572, 65.6107, 104.2752



51.8583, 60.5710, 103.5659



45.5412, 42.9789, 100.5032



18.0200, 19.4117, 23.0470



17.1668, 19.2432, 52.2441



1.7716, 2.0739, 5.1202

Inverse Universe

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



65.5206, 48.9385, 74.4021



61.7871, 42.8114, 69.0271



76.9371, 83.5857, 41.7862



18.5228, 18.1924, 21.3700



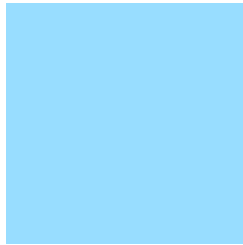
25.4532, 12.6706, 21.5688



2.5288, 1.2539, 2.3662

Previews

White Background



This preview shows how the XYZ color 56.8553, 65.6083, 104.2748 looks on a white background.

Color Contrast Check

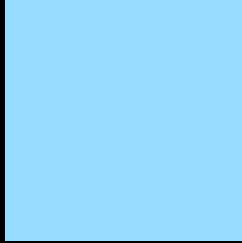
Large Text (above 18pt) WCAG AA × Fail

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 56.8553, 65.6083, 104.2748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

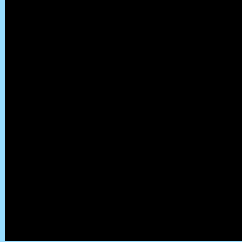
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.8553, 65.6083, 104.2748

Background



This preview shows how black text looks on a background with the XYZ color 56.8553, 65.6083, 104.2748.

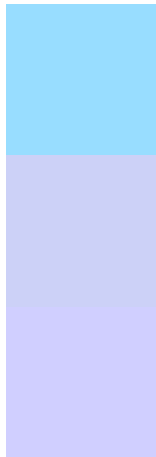


This preview shows how white text looks on a background with the XYZ color 56.8553, 65.6083,

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

56.8553, 65.6083, 104.2748

Protanopia

64.4908, 65.1537, 97.1726

Deuteranopia

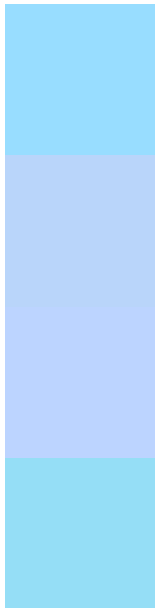
66.3752, 65.2555, 103.7050



Tritanopia

54.4776, 65.4221, 92.9755

Trichromacy



Original Color

56.8553, 65.6083, 104.2748

Protanomaly

61.0572, 64.8049, 99.7330

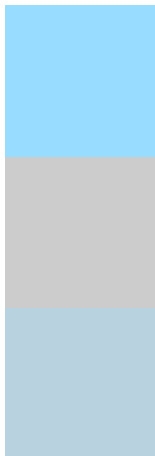
Deuteranomaly

62.3325, 64.9983, 103.8684

Tritanomaly

55.1503, 65.2859, 96.8835

Monochromacy



Original Color

56.8553, 65.6083, 104.2748

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

56.3735, 61.7352, 78.7569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8553, 65.6083, 104.2748 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(152, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 221, 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(152, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.8553, 65.6083, 104.2748 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(152, 221, 255) }
```


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

```
.border{ border-color:rgb(152, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(152, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8553, 65.6083, 104.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 221, 255) }
```

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

```
.background{ background-color: rgb(152,  
221, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor