

Converting Colors

XYZ(90.9732, 79.5439,
287.8573)

Have a look what the booklet for
XYZ(90.9732, 79.5439, 287.8573)
contains.

XYZ(56.2039, 65.6656, 104.3202)	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(56.2039, 65.6656,
104.3202)**

Conversions

Conversions Part 1

Format	Color
Hex	93DEFF
RGB	147, 222, 255
RGB Percent	58%, 87%, 100%
CMY	0.4235, 0.1294, 0.0000
CMYK	0.42, 0.13, 0.00, 0.00
HSL	198°, 100%, 79%
HSV	198°, 42%, 100%
XYZ	56.2039, 65.6656, 104.3202
YIQ	203.3370, -55.2930, -5.6370

Conversions

Conversions Part 2

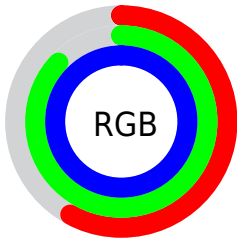
Format	Color
R_{YB}	147, 191, 255
Decimal	9690879
CIE _{Lab}	84.83, -14.92, -23.33
CIE _{LCh}	85, 27.691, 237.402
Yxy	65.6656, 0.2485, 0.2903
Android (android.graphics.Color)	4287880959 (0xFF93DEFF)
YUV	203.3370, 25.4699, -49.4075
Hunter-Lab	81.0343, -18.0058, -19.6035

Details

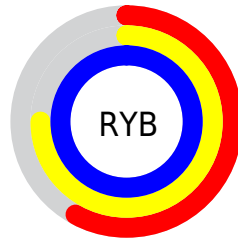
The XYZ color **56.2039, 65.6656, 104.3202** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **62.8283, 56.0097, 35.1053**, and the grayscale version is **56.8480, 59.8085, 65.1314**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **28.2282, 33.8883, 58.4794** is the 20% darker color. If you saturate the color by 10%, you get **50.1065, 59.5223, 103.4558**, and if you desaturate by 10%, it is **63.4140, 72.5274, 105.2647**.

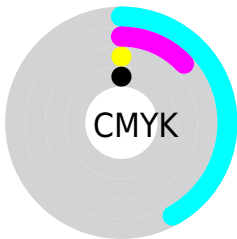
Distribution



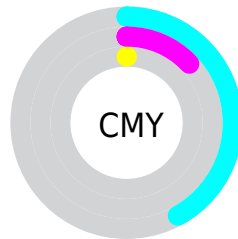
- Red (58%)
- Green (87%)
- Blue (100%)



- Red (58%)
- Yellow (75%)
- Blue (100%)



- Cyan (42%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2039, 65.6656, 104.3202 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 56.2039, 65.6656, 104.3202 by changing the saturation by 10% instead.

56.2039, 65.6656,
104.3202

56.2039, 65.6656,
104.3202

400.5220,
445.1800, 595.3212

40.6041, 48.0010,
79.2765

98.4407, 113.0062,
169.1850

28.1961, 33.8277,
58.6005

125.8084,
143.4511, 209.8432

18.6148, 22.7612,
41.8737

157.8294,
178.9248, 256.5433

11.4946, 14.4173,
28.6776

194.8692,
219.8117, 309.7038

6.4703, 8.4115,
18.5936

237.2929,
266.4963, 369.7433

3.1765, 4.3594,
11.2031

285.4661,

1.2477, 1.8765,

319.3630, 437.0804

6.0878

339.7540,
378.7961, 512.1335

■ 0.1436, 0.5342,
2.8289

■ 0.0000, 0.0000,
1.0079

■ 56.2039, 65.6656,
104.3202

■ 56.2039, 65.6656,
104.3202

■ 50.1065, 59.5223,
103.4558

■ 63.4140, 72.5274,
105.2647

■ 45.0473, 54.0529,
102.6668

■ 71.7941, 80.1347,
106.2913

■ 40.9508, 49.2179,
101.9494

■ 81.4038, 88.5215,
107.4037

■ 37.7282, 44.9695,
101.2992

■ 92.2970, 97.7175,
108.6045

■ 35.2719, 41.2504,
100.7108

95.0500, 100.0000,
108.9000

■ 33.7897, 38.6994,
100.2966

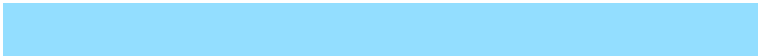
Harmonies

Analogous

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



52.4092, 65.6656, 88.4050



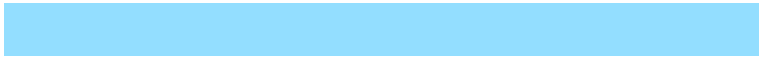
56.2039, 65.6656, 104.3202



61.8740, 65.6656, 111.3513

Triad

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



56.2039, 65.6656, 104.3202



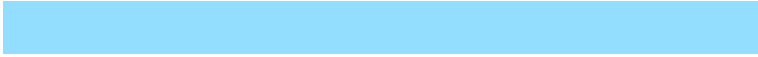
75.1061, 65.6656, 73.0585



57.0818, 65.6656, 45.2521

Complementary

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



56.2039, 65.6656, 104.3202



62.8283, 56.0097, 35.1053

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.



62.9555, 65.6656, 42.5093



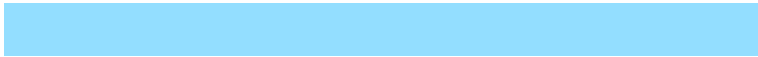
56.2039, 65.6656, 104.3202



73.6155, 65.6656, 56.8981

Square

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



56.2039, 65.6656, 104.3202



73.0135, 65.6656, 91.5311



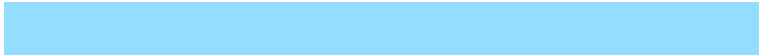
69.0637, 65.6656, 46.4033



52.8920, 65.6656, 54.6256

Rectangle

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



56.2039, 65.6656, 104.3202



66.0498, 65.6656, 109.3098



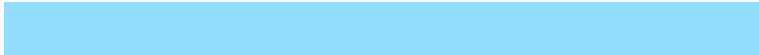
69.0637, 65.6656, 46.4033



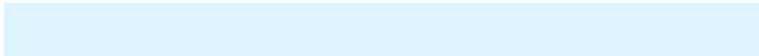
58.9126, 65.6656, 43.5994

Sweetspot

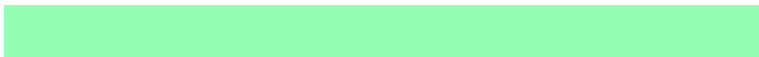
The Sweet Spot groups the original color and five complimentary colors.



56.2058, 65.6680, 104.3206



80.7418, 87.9530, 107.3288



55.9710, 80.9945, 55.5455



16.8088, 18.4171, 22.9189



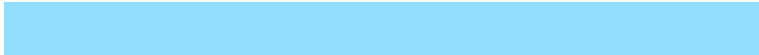
0.0000, 0.0000, 0.0000



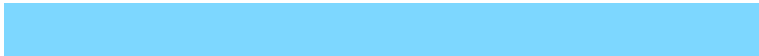
20.3446, 21.4041, 23.3091

Same Dimension

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



56.2058, 65.6680, 104.3206



50.8682, 60.3123, 103.5681



44.1979, 41.6522, 100.3179



18.0590, 19.4896, 23.0600



17.7939, 20.4975, 52.4532



1.8292, 2.1890, 5.1394

Inverse Universe

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



64.8598, 47.4031, 74.8411



60.8672, 40.8345, 69.1426



75.7594, 81.8718, 39.4156



18.5424, 18.2003, 21.4736



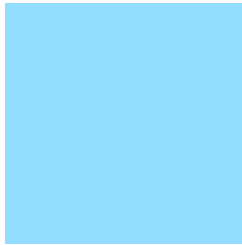
25.7698, 12.7972, 23.2358



2.5579, 1.2655, 2.5192

Previews

White Background



This preview shows how the XYZ color 56.2039, 65.6656, 104.3202 looks on a white background.

Color Contrast Check

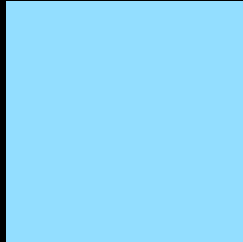
Large Text (above 18pt) WCAG AA × Fail

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 56.2039, 65.6656, 104.3202 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 56.2039, 65.6656, 104.3202

Background



This preview shows how black text looks on a background with the XYZ color 56.2039, 65.6656, 104.3202.

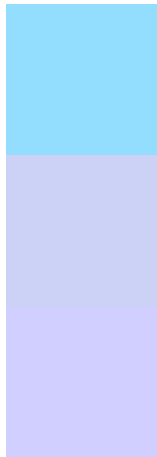


This preview shows how white text looks on a background with the XYZ color 56.2039, 65.6656,

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

56.2039, 65.6656, 104.3202

Protanopia

64.3369, 65.0921, 96.3619

Deuteranopia

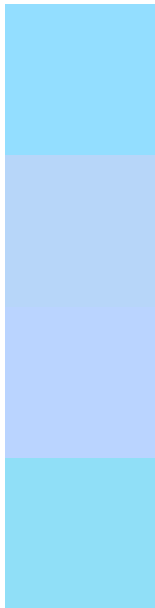
66.3752, 65.2555, 103.7050



Tritanopia

54.0104, 65.5618, 93.8124

Trichromacy



Original Color

56.2039, 65.6656, 104.3202

Protanomaly

60.6739, 65.0000, 98.9709

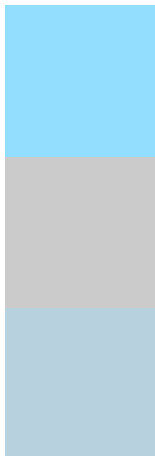
Deuteranomaly

61.8432, 64.7461, 103.8455

Tritanomaly

54.6778, 65.4200, 97.7412

Monochromacy



Original Color

56.2039, 65.6656, 104.3202

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

55.7598, 61.4344, 78.0264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2039, 65.6656, 104.3202 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(147, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 222, 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(147, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.2039, 65.6656, 104.3202 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(147, 222, 255) }
```


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

```
.border{ border-color:rgb(147, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(147, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2039, 65.6656, 104.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 222, 255) }
```

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

```
.background{ background-color: rgb(147,  
222, 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