

Converting Colors

XYZ(65.5064, 77.7602,
106.1644)

Have a look what the booklet for
XYZ(65.5064, 77.7602, 106.1644)
contains.

XYZ(65.5723, 77.9752, 106.2024)	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(65.5723, 77.9752,
106.2024)**

Conversions

Conversions Part 1

Format	Color
Hex	A9F0FF
RGB	169, 240, 255
RGB Percent	66%, 94%, 100%
CMY	0.3372, 0.0588, 0.0000
CMYK	0.34, 0.06, 0.00, 0.00
HSL	190°, 100%, 83%
HSV	190°, 34%, 100%
XYZ	65.5723, 77.9752, 106.2024
YIQ	220.4810, -47.1310, -10.3870

Conversions

Conversions Part 2

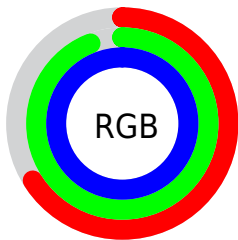
Format	Color
R_{YB}	169, 208, 255
Decimal	11137279
CIE _{Lab}	90.77, -18.40, -14.26
CIE _{LCh}	91, 23.283, 217.772
Yxy	77.9752, 0.2626, 0.3122
Android (android.graphics.Color)	4289327359 (0xFFA9F0FF)
YUV	220.4810, 17.0179, -45.1488
Hunter-Lab	88.3036, -21.9810, -9.4954

Details

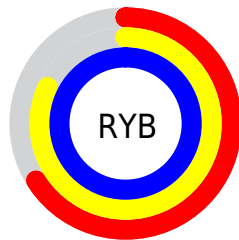
The XYZ color **65.5723, 77.9752, 106.2024** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.5422, 58.4056, 45.3570**, and the grayscale version is **68.2737, 71.8293, 78.2221**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **34.1436, 41.8689, 59.7080** is the 20% darker color. If you saturate the color by 10%, you get **59.3334, 72.8413, 105.5403**, and if you desaturate by 10%, it is **72.9143, 83.7292, 106.9261**.

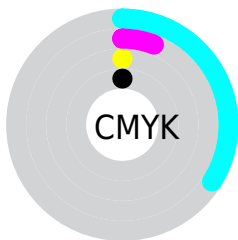
Distribution



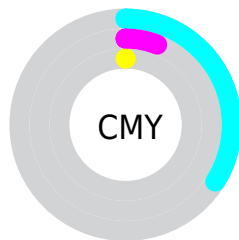
- Red (66%)
- Green (94%)
- Blue (100%)



- Red (66%)
- Yellow (82%)
- Blue (100%)



- Cyan (34%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.5723, 77.9752, 106.2024 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 65.5723, 77.9752, 106.2024 by changing the saturation by 10% instead.

65.5723, 77.9752,
106.2024

65.5723, 77.9752,
106.2024

434.3585,
488.0826, 601.3160

48.1917, 58.0536,
80.8448

111.9334,
130.5152, 171.7809

34.1906, 41.8517,
59.8835

141.6446,
163.9023, 212.8388

23.2037, 28.9852,
42.9001

176.1967,
202.5468, 259.9672

14.8655, 19.0696,
29.4759

215.9551,
246.8330, 313.5847

8.8107, 11.7206,
19.1925

261.2851,
297.1452, 374.1098

4.6741, 6.5537,
11.6312

312.5521,

2.0901, 3.1846,

353.8680, 441.9610

6.3736

370.1215,
417.3857, 517.5569

■ 0.6838, 1.2289,
3.0011

■ 0.0000, 0.0851,
1.0952

■ 65.5723, 77.9752,
106.2024

■ 65.5723, 77.9752,
106.2024

■ 59.3334, 72.8413,
105.5403

■ 72.9143, 83.7292,
106.9261

■ 54.1288, 68.2859,
104.9353

■ 81.4104, 90.1243,
107.7127

■ 49.8916, 64.2762,
104.3847

■ 91.1163, 97.1913,
108.5652

■ 46.5442, 60.7718,
103.8847

95.0500, 100.0000,
108.9000

■ 43.9968, 57.7261,
103.4311

■ 42.1398, 55.0822,
103.0187

■ 41.2287, 53.5773,
102.7762

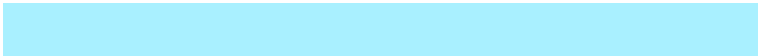
Harmonies

Analogous

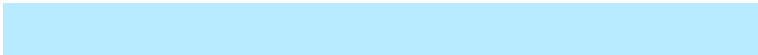
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.5171, 77.9752, 89.3330



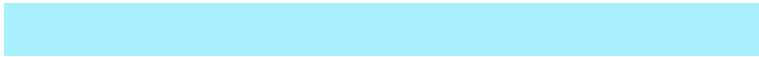
65.5723, 77.9752, 106.2024



69.9386, 77.9752, 118.3508

Triad

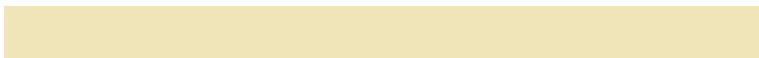
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.5723, 77.9752, 106.2024



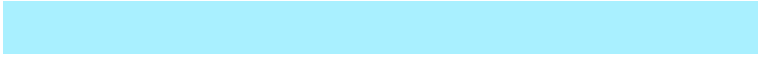
85.0211, 77.9752, 97.6812



72.6024, 77.9752, 56.8152

Complementary

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



65.5723, 77.9752, 106.2024



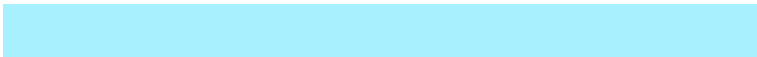
65.5422, 58.4056, 45.3570

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.



78.4504, 77.9752, 58.4357



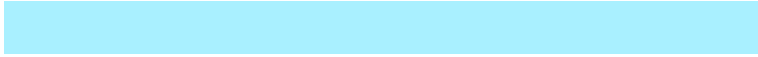
65.5723, 77.9752, 106.2024



85.8265, 77.9752, 80.6195

Square

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



65.5723, 77.9752, 106.2024



81.2188, 77.9752, 112.9975



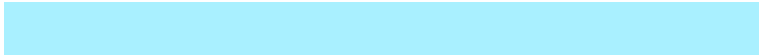
83.3651, 77.9752, 66.6585



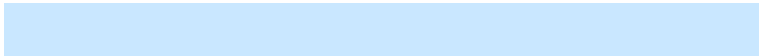
67.4344, 77.9752, 61.8979

Rectangle

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



65.5723, 77.9752, 106.2024



73.6766, 77.9752, 121.3327



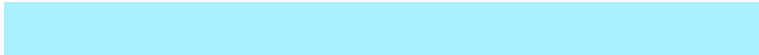
83.3651, 77.9752, 66.6585



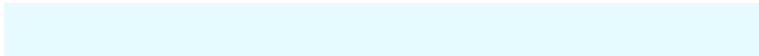
74.5513, 77.9752, 56.6077

Sweetspot

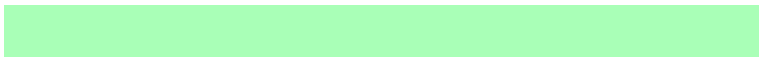
The Sweet Spot groups the original color and five complimentary colors.



65.5744, 77.9782, 106.2029



84.8807, 92.6760, 108.0223



60.7054, 83.3884, 57.8797



17.8834, 19.6280, 23.0960



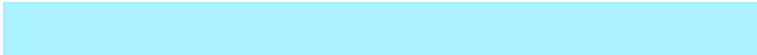
0.0000, 0.0000, 0.0000



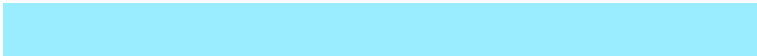
20.3446, 21.4041, 23.3091

Same Dimension

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



65.5744, 77.9782, 106.2029



61.5329, 74.6845, 105.7802



54.5316, 55.8926, 102.5220



18.2695, 19.9107, 23.1302



21.6414, 28.1924, 53.7356



2.1748, 2.8802, 5.2546

Inverse Universe

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



71.1575, 55.9289, 89.4864



67.9485, 50.1694, 86.3869



75.6893, 78.6996, 48.7394



18.6487, 18.2428, 22.0332



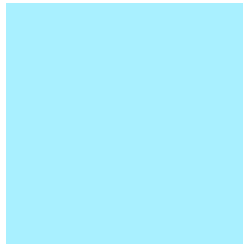
27.7118, 13.5740, 33.4623



2.7323, 1.3353, 3.4379

Previews

White Background



This preview shows how the XYZ color 65.5723, 77.9752, 106.2024 looks on a white background.

Color Contrast Check

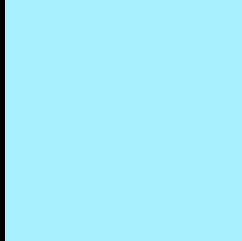
Large Text (above 18pt) WCAG AA × Fail

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 65.5723, 77.9752, 106.2024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

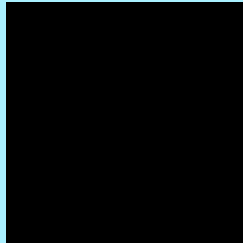
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.5723, 77.9752, 106.2024

Background



This preview shows how black text looks on a background with the XYZ color 65.5723, 77.9752, 106.2024.

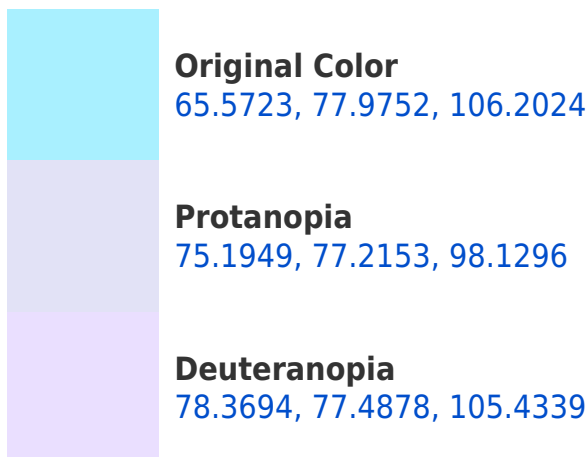


This preview shows how white text looks on a background with the XYZ color 65.5723, 77.9752,

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

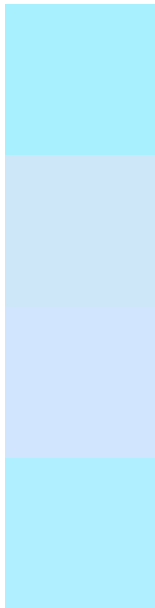




Tritanopia

66.9846, 77.8340, 106.1008

Trichromacy



Original Color

65.5723, 77.9752, 106.2024

Protanomaly

70.8516, 76.9705, 100.7450

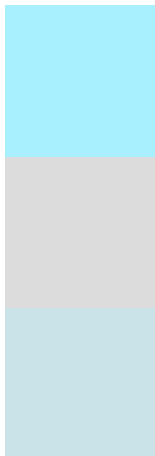
Deuteranomaly

72.6477, 76.9603, 105.6336

Tritanomaly

66.5957, 78.0670, 106.1662

Monochromacy



Original Color

65.5723, 77.9752, 106.2024

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.2645, 73.2389, 87.7348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5723, 77.9752, 106.2024 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(169, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 240, 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(169, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.5723, 77.9752, 106.2024 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(169, 240, 255) }
```


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

```
.border{ border-color:rgb(169, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5723, 77.9752, 106.2024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 240, 255) }
```

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

```
.background{ background-color: rgb(169,  
240, 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