

Converting Colors

XYZ(64.9830, 81.5845,
106.9302)

Have a look what the booklet for
XYZ(64.9830, 81.5845, 106.9302)
contains.

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Color

**XYZ(65.0626, 81.7437,
106.9567)**

Conversions

Conversions Part 1

Format	Color
Hex	99F9FF
RGB	153, 249, 255
RGB Percent	60%, 98%, 100%
CMY	0.4000, 0.0235, 0.0000
CMYK	0.40, 0.02, 0.00, 0.00
HSL	184°, 100%, 80%
HSV	184°, 40%, 100%
XYZ	65.0626, 81.7437, 106.9567
YIQ	220.9800, -59.1420, -18.4860

Conversions

Conversions Part 2

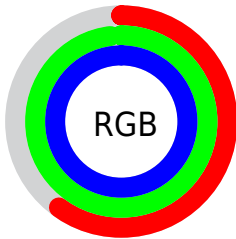
Format	Color
R_{YB}	153, 202, 255
Decimal	10091007
CIE _{Lab}	92.46, -26.85, -11.81
CIE _{LCh}	92, 29.333, 203.744
Yxy	81.7437, 0.2564, 0.3221
Android (android.graphics.Color)	4288281087 (0xFF99F9FF)
YUV	220.9800, 16.7719, -59.6185
Hunter-Lab	90.4122, -29.7689, -6.8509

Details

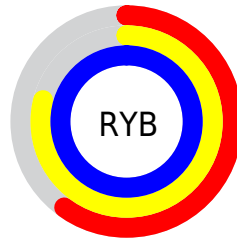
The XYZ color **65.0626, 81.7437, 106.9567** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.3884, 48.3565, 36.3427**, and the grayscale version is **68.6310, 72.2051, 78.6314**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **33.7620, 44.2094, 60.1799** is the 20% darker color. If you saturate the color by 10%, you get **60.2933, 78.6019, 106.6016**, and if you desaturate by 10%, it is **70.8683, 85.4292, 107.3621**.

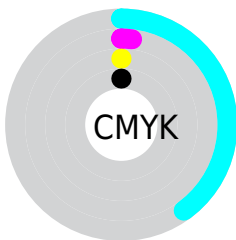
Distribution



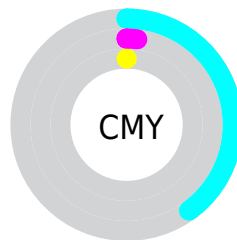
- Red (60%)
- Green (98%)
- Blue (100%)



- Red (60%)
- Yellow (79%)
- Blue (100%)



- Cyan (40%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0626, 81.7437, 106.9567 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 65.0626, 81.7437, 106.9567 by changing the saturation by 10% instead.


 65.0626, 81.7437,
106.9567

 65.0626, 81.7437,
106.9567


432.5586,
500.7900, 603.7098

 47.7767, 61.1543,
81.4738


 111.2051,
135.8145, 172.8199

 33.8606, 44.3497,
60.3986


 140.7924,
170.0647, 214.0372

 22.9489, 30.9455,
43.3126


175.2108,
209.6373, 261.3364

 14.6763, 20.5574,
29.7972

214.8259,
254.9167, 315.1361

 8.6773, 12.8008,
19.4340

260.0028,
306.2873, 375.8547

 4.5867, 7.2915,
11.8043

311.1070,

 2.0391, 3.6451,

364.1334, 443.9108

6.4897

368.5038,
428.8395, 519.7230

■ 0.6558, 1.4771,
3.0715

■ 0.0000, 0.2725,
1.1312

■ 65.0626, 81.7437,
106.9567

■ 65.0626, 81.7437,
106.9567

■ 60.2933, 78.6019,
106.6016

■ 70.8683, 85.4292,
107.3621

■ 56.4877, 75.9604,
106.2924

■ 77.7643, 89.6803,
107.8192

■ 53.5743, 73.7844,
106.0259

■ 85.8081, 94.5287,
108.3310

■ 51.4686, 72.0301,
105.7983

95.0500, 100.0000,
108.9000

■ 50.0697, 70.6457,
105.6048

■ 49.2132, 69.5463,
105.4377

■ 49.2131, 69.5461,
105.4377

Harmonies

Analogous

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



64.0455, 81.7437, 84.5185



65.0626, 81.7437, 106.9567



69.3631, 81.7437, 127.2307

Triad

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



65.0626, 81.7437, 106.9567



90.0944, 81.7437, 116.1431



79.2995, 81.7437, 53.5257

Complementary

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



65.0626, 81.7437, 106.9567



59.3884, 48.3565, 36.3427

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.



86.6686, 81.7437, 59.3231



65.0626, 81.7437, 106.9567



93.1577, 81.7437, 93.6475

Square

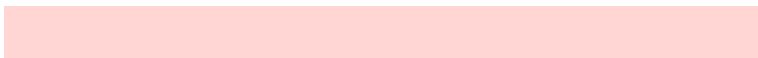
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.0626, 81.7437, 106.9567



83.7334, 81.7437, 133.1106



91.8649, 81.7437, 73.1835



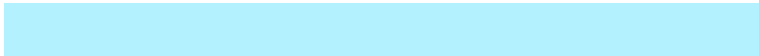
71.9540, 81.7437, 55.9083

Rectangle

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



65.0626, 81.7437, 106.9567



73.6726, 81.7437, 135.5722



91.8649, 81.7437, 73.1835



81.8610, 81.7437, 54.5474

Sweetspot

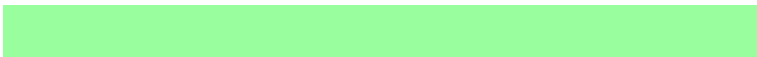
The Sweet Spot groups the original color and five complimentary colors.



65.0648, 81.7468, 106.9572



84.1034, 93.5090, 108.2241



55.0783, 80.7650, 45.0812



17.7690, 19.8752, 23.1497



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.



65.0648, 81.7468, 106.9572



61.1673, 79.1889, 106.6689



51.5888, 54.7948, 102.4652



18.4580, 20.2877, 23.1930



25.7543, 36.4182, 55.1066



2.5343, 3.5993, 5.3744

Inverse Universe

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



69.7316, 50.8838, 95.7724



66.4859, 44.6909, 93.7703



69.8157, 69.2111, 39.8184



18.7438, 18.2808, 22.5342



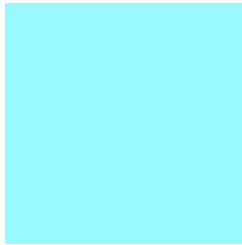
29.7878, 14.4044, 44.3944



2.9138, 1.4079, 4.3935

Previews

White Background



This preview shows how the XYZ color 65.0626, 81.7437, 106.9567 looks on a white background.

Color Contrast Check

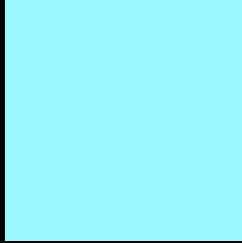
Large Text (above 18pt) WCAG AA × Fail

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 65.0626, 81.7437, 106.9567 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 65.0626, 81.7437, 106.9567

Background



This preview shows how black text looks on a background with the XYZ color 65.0626, 81.7437, 106.9567.

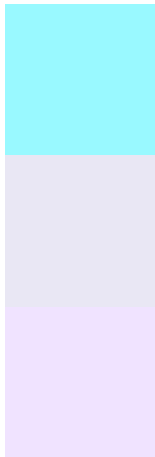


This preview shows how white text looks on a background with the XYZ color 65.0626, 81.7437,

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

65.0626, 81.7437, 106.9567

Protanopia

78.5093, 81.0071, 97.0860

Deuteranopia

81.4543, 80.6834, 105.8881



Tritanopia

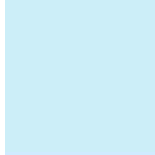
70.5412, 81.4156, 106.6046

Trichromacy



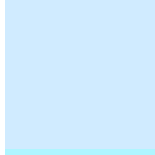
Original Color

65.0626, 81.7437, 106.9567



Protanomaly

72.4197, 80.7638, 100.5790



Deuteranomaly

73.7708, 80.0466, 106.1701



Tritanomaly

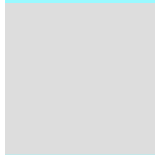
68.3816, 81.6388, 106.7615

Monochromacy



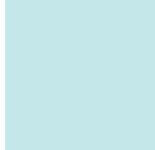
Original Color

65.0626, 81.7437, 106.9567



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.0488, 74.7708, 88.0419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0626, 81.7437, 106.9567 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, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 249, 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, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.0626, 81.7437, 106.9567 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, 249, 255) }
```


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

```
.border{ border-color:rgb(153, 249, 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, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0626, 81.7437, 106.9567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 249, 255) }
```

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

```
.background{ background-color: rgb(153,  
249, 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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