

Converting Colors

XYZ(62.5314, 81.3563,
107.0105)

Have a look what the booklet for
XYZ(62.5314, 81.3563, 107.0105)
contains.

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Color

**XYZ(62.5389, 81.3653,
107.0167)**

Conversions

Conversions Part 1

Format	Color
Hex	87FBFF
RGB	135, 251, 255
RGB Percent	53%, 98%, 100%
CMY	0.4706, 0.0157, 0.0000
CMYK	0.47, 0.02, 0.00, 0.00
HSL	182°, 100%, 76%
HSV	182°, 47%, 100%
XYZ	62.5389, 81.3653, 107.0167
YIQ	216.7720, -70.4200, -23.3480

Conversions

Conversions Part 2

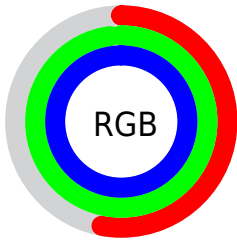
Format	Color
RYB	135, 194, 255
Decimal	8911871
CIELab	92.29, -31.90, -12.14
CIELCh	92, 34.131, 200.830
Yxy	81.3653, 0.2492, 0.3243
Android (android.graphics.Color)	4287101951 (0xFF87FBFF)
YUV	216.7720, 18.8464, -71.7140
Hunter-Lab	90.2027, -34.0980, -7.1999

Details

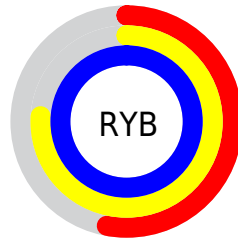
The XYZ color **62.5389, 81.3653, 107.0167** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.8464, 41.4751, 28.0385**, and the grayscale version is **65.7090, 69.1309, 75.2836**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **32.1573, 44.0385, 60.2315** is the 20% darker color. If you saturate the color by 10%, you get **58.6529, 78.9710, 106.7593**, and if you desaturate by 10%, it is **67.4129, 84.2745, 107.3213**.

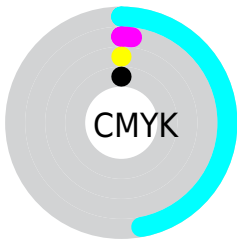
Distribution



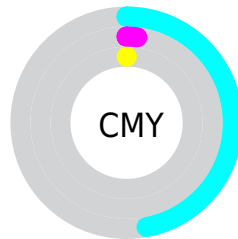
- Red (53%)
- Green (98%)
- Blue (100%)



- Red (53%)
- Yellow (76%)
- Blue (100%)



- Cyan (47%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.5389, 81.3653, 107.0167 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 62.5389, 81.3653, 107.0167 by changing the saturation by 10% instead.


 62.5389, 81.3653,
107.0167


 62.5389, 81.3653,
107.0167


423.5804,
499.5222, 603.9000

 45.7255, 60.8425,
81.5238


 107.5896,
135.2836, 172.9025

 32.2330, 44.0981,
60.4396


 136.5576,
169.4478, 214.1325

 21.6959, 30.7476,
43.3454


170.3078,
208.9281, 261.4453

 13.7490, 20.4067,
29.8228

209.2057,
254.1086, 315.2594

 8.0268, 12.6911,
19.4533

253.6165,
305.3739, 375.9934

 4.1641, 7.2162,
11.8181

303.9057,

 1.7954, 3.5976,

363.1083, 444.0658

6.4989

360.4385,
427.6963, 519.8951

■ 0.5149, 1.4511,
3.0771

■ 0.0000, 0.2540,
1.1341

■ 62.5389, 81.3653,
107.0167

■ 62.5389, 81.3653,
107.0167

■ 58.6529, 78.9710,
106.7593

■ 67.4129, 84.2745,
107.3213

■ 55.6770, 77.0457,
106.5446

■ 73.3325, 87.7227,
107.6749

■ 53.5325, 75.5508,
106.3690

■ 80.3587, 91.7430,
108.0806

■ 52.1243, 74.4372,
106.2283

■ 88.5461, 96.3638,
108.5409

■ 51.3309, 73.6423, 95.0500, 100.0000,
106.1167 108.9000

■ 51.1607, 73.4413,
106.0869

Harmonies

Analogous

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



61.7678, 81.3653, 81.0740



62.5389, 81.3653, 107.0167



67.1077, 81.3653, 131.8490

Triad

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



62.5389, 81.3653, 107.0167



91.2468, 81.3653, 122.9588



80.0703, 81.3653, 48.7649

Complementary

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



62.5389, 81.3653, 107.0167



54.8464, 41.4751, 28.0385

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.



88.5526, 81.3653, 56.0129



62.5389, 81.3653, 107.0167



95.3205, 81.3653, 96.5630

Square

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



62.5389, 81.3653, 107.0167



83.5259, 81.3653, 142.2010



94.2987, 81.3653, 72.4153



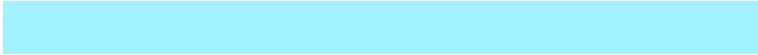
71.4584, 81.3653, 50.5009

Rectangle

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



62.5389, 81.3653, 107.0167



71.8975, 81.3653, 142.8621



94.2987, 81.3653, 72.4153



83.0405, 81.3653, 50.1706

Sweetspot

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



62.5411, 81.3683, 107.0171



82.7357, 93.0905, 108.2154



50.2683, 78.4777, 36.1673



17.3473, 19.7204, 23.1421



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.



62.5411, 81.3683, 107.0171



59.0193, 79.2013, 106.7845



47.1132, 50.5126, 101.8745



18.5000, 20.3715, 23.2070



26.7557, 38.4209, 55.4404



2.6207, 3.7722, 5.4032

Inverse Universe

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



67.3180, 45.5548, 96.5152



64.3500, 39.8100, 94.9363



65.5804, 62.9432, 31.6165



18.7650, 18.2893, 22.6456



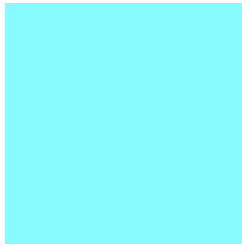
30.2932, 14.6066, 47.0560



2.9574, 1.4253, 4.6232

Previews

White Background



This preview shows how the XYZ color 62.5389, 81.3653, 107.0167 looks on a white background.

Color Contrast Check

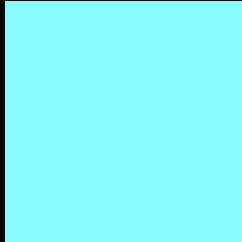
Large Text (above 18pt) WCAG AA × Fail

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 62.5389, 81.3653, 107.0167 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 62.5389, 81.3653, 107.0167

Background



This preview shows how black text looks on a background with the XYZ color 62.5389, 81.3653, 107.0167.

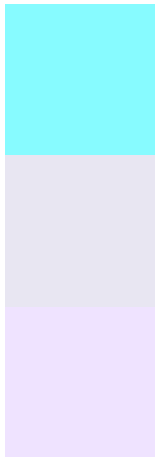


This preview shows how white text looks on a background with the XYZ color 62.5389, 81.3653,

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

62.5389, 81.3653, 107.0167

Protanopia

77.6025, 80.1602, 95.3868

Deuteranopia

81.1157, 80.5089, 105.8723



Tritanopia

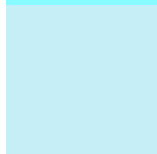
69.0935, 80.6693, 106.5369

Trichromacy



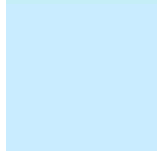
Original Color

62.5389, 81.3653, 107.0167



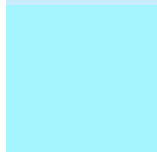
Protanomaly

70.3890, 79.7348, 99.6761



Deuteranomaly

72.1328, 79.6284, 106.1758



Tritanomaly

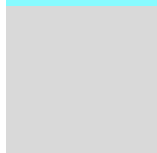
66.2195, 80.5241, 106.6603

Monochromacy



Original Color

62.5389, 81.3653, 107.0167



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

62.9366, 72.3729, 86.2536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.5389, 81.3653, 107.0167 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(135, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 251, 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(135, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 251, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.5389, 81.3653, 107.0167 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(135, 251, 255) }
```


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

```
.border{ border-color:rgb(135, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 251,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.5389, 81.3653, 107.0167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 251, 255) }
```

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

```
.background{ background-color: rgb(135,  
251, 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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