

Converting Colors

XYZ(59.6927, 71.2616,
115.4172)

Have a look what the booklet for
XYZ(59.6927, 71.2616, 115.4172)
contains.

XYZ(57.7218, 70.5087, 105.1750)	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(57.7218, 70.5087,
105.1750)**

Conversions

Conversions Part 1

Format	Color
Hex	8CE8FF
RGB	140, 232, 255
RGB Percent	55%, 91%, 100%
CMY	0.4510, 0.0902, 0.0000
CMYK	0.45, 0.09, 0.00, 0.00
HSL	192°, 100%, 77%
HSV	192°, 45%, 100%
XYZ	57.7218, 70.5087, 105.1750
YIQ	207.1140, -62.2150, -12.3510

Conversions

Conversions Part 2

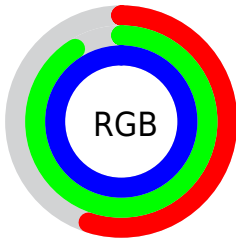
Format	Color
R_{YB}	140, 191, 255
Decimal	9234687
CIE _{Lab}	87.25, -21.61, -19.69
CIE _{LCh}	87, 29.234, 222.349
Yxy	70.5087, 0.2473, 0.3021
Android (android.graphics.Color)	4287424767 (0xFF8CE8FF)
YUV	207.1140, 23.6078, -58.8590
Hunter-Lab	83.9695, -24.2431, -15.4844

Details

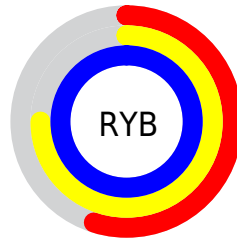
The XYZ color **57.7218, 70.5087, 105.1750** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.0713, 49.3483, 31.2246**, and the grayscale version is **59.2648, 62.3512, 67.9004**.

A 20% lighter version of the original color is **77.3632, 90.8821, 108.0723**, and **29.1117, 36.8772, 59.0097** is the 20% darker color. If you saturate the color by 10%, you get **52.4983, 65.7174, 104.5255**, and if you desaturate by 10%, it is **63.9864, 75.9018, 105.8858**.

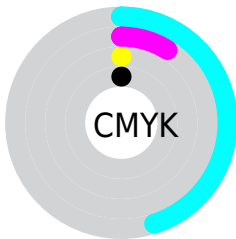
Distribution



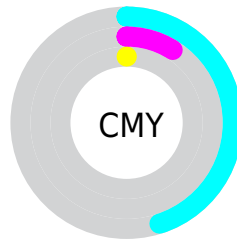
- Red (55%)
- Green (91%)
- Blue (100%)



- Red (55%)
- Yellow (75%)
- Blue (100%)



- Cyan (45%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7218, 70.5087, 105.1750 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 57.7218, 70.5087, 105.1750 by changing the saturation by 10% instead.

57.7218, 70.5087,
105.1750

57.7218, 70.5087,
105.1750

406.1191,
462.3341, 598.0476

41.8274, 51.9414,
79.9885

100.6429,
119.9339, 170.3645

29.1567, 36.9583,
59.1828

128.4004,
151.5606, 211.2046

19.3443, 25.1752,
42.3393

160.8429,
188.3091, 258.0996

12.0248, 16.2077,
29.0395

198.3359,
230.5640, 311.4681

6.8329, 9.6712,
18.8649

241.2446,
278.7095, 371.7286

3.4032, 5.1815,
11.3969

289.9345,

1.3704, 2.3542,

333.1301, 439.2997

6.2169

344.7709,
394.2102, 514.5998

■ 0.2350, 0.8022,
2.9065

■ 0.0000, 0.0000,
1.0471

■ 57.7218, 70.5087,
105.1750

■ 57.7218, 70.5087,
105.1750

■ 52.4983, 65.7174,
104.5255

■ 63.9864, 75.9018,
105.8858

■ 48.2399, 61.4832,
103.9327

■ 71.3495, 81.9219,
106.6597

■ 44.8694, 57.7677,
103.3932

■ 79.8715, 88.6023,
107.5000

■ 42.2948, 54.5227,
102.9025

■ 89.6062, 95.9712,
108.4093

■ 40.4024, 51.6891, 95.0500, 100.0000,
102.4553 108.9000

■ 39.6444, 50.4089,
102.2481

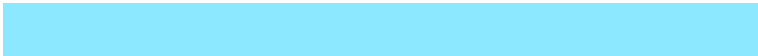
Harmonies

Analogous

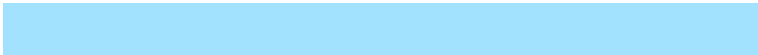
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.9250, 70.5087, 85.1488



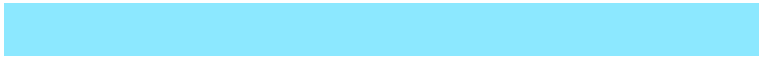
57.7218, 70.5087, 105.1750



63.0910, 70.5087, 118.7505

Triad

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



57.7218, 70.5087, 105.1750



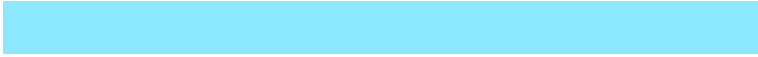
80.4060, 70.5087, 88.8216



64.2313, 70.5087, 45.4335

Complementary

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



57.7218, 70.5087, 105.1750



59.0713, 49.3483, 31.2246

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.



71.1013, 70.5087, 46.0748



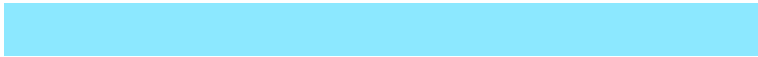
57.7218, 70.5087, 105.1750



80.7636, 70.5087, 68.9634

Square

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



57.7218, 70.5087, 105.1750



76.3129, 70.5087, 108.2564



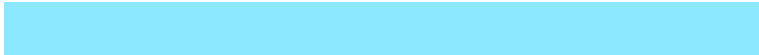
77.2588, 70.5087, 54.0068



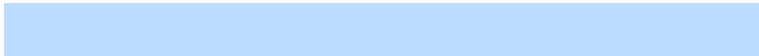
58.5074, 70.5087, 52.0734

Rectangle

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



57.7218, 70.5087, 105.1750



67.5592, 70.5087, 121.1051



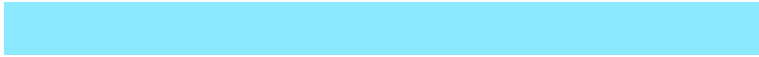
77.2588, 70.5087, 54.0068



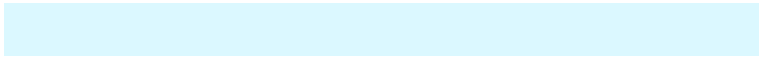
66.4765, 70.5087, 44.8416

Sweetspot

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



57.7238, 70.5113, 105.1754



80.8784, 89.3760, 107.5963



53.0168, 79.6722, 46.3426



16.8900, 18.8059, 22.9896



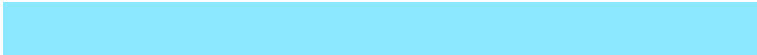
0.0000, 0.0000, 0.0000



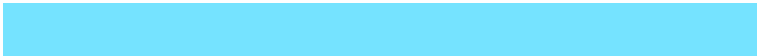
20.3446, 21.4041, 23.3091

Same Dimension

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



57.7238, 70.5113, 105.1754



53.0225, 66.2148, 104.5939



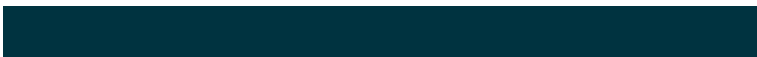
44.4738, 44.0115, 100.7588



18.2282, 19.8279, 23.1164



20.8236, 26.5567, 53.4630



2.1022, 2.7351, 5.2304

Inverse Universe

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



65.1848, 45.8440, 81.7600



61.5655, 39.6243, 77.4123



71.1973, 73.6003, 35.2666



18.6278, 18.2344, 21.9232



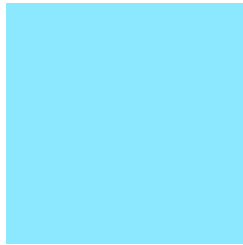
27.2990, 13.4089, 31.2885



2.6957, 1.3207, 3.2450

Previews

White Background



This preview shows how the XYZ color 57.7218, 70.5087, 105.1750 looks on a white background.

Color Contrast Check

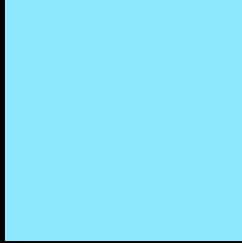
Large Text (above 18pt) WCAG AA × Fail

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 57.7218, 70.5087, 105.1750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

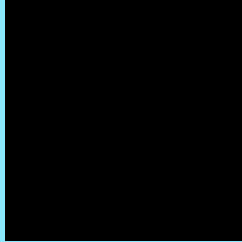
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.7218, 70.5087, 105.1750

Background



This preview shows how black text looks on a background with the XYZ color 57.7218, 70.5087, 105.1750.

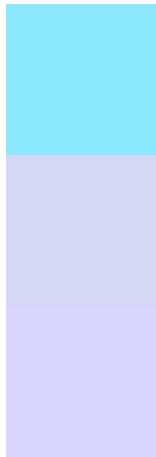


This preview shows how white text looks on a background with the XYZ color 57.7218, 70.5087,

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

57.7218, 70.5087, 105.1750

Protanopia

68.3256, 69.7895, 95.4575

Deuteranopia

70.7577, 69.7139, 104.3345



Tritanopia

57.1990, 70.7318, 101.9047

Trichromacy



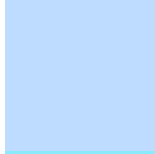
Original Color

57.7218, 70.5087, 105.1750



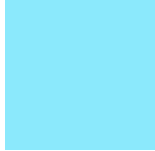
Protanomaly

63.3143, 69.4590, 98.8768



Deuteranomaly

64.8784, 69.3535, 104.5749



Tritanomaly

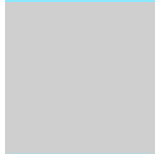
57.3571, 70.7951, 102.7372

Monochromacy



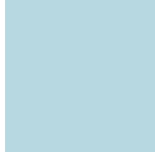
Original Color

57.7218, 70.5087, 105.1750



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

57.5389, 64.5608, 79.9499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7218, 70.5087, 105.1750 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(140, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 232, 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(140, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 57.7218, 70.5087, 105.1750 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(140, 232, 255) }
```


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

```
.border{ border-color:rgb(140, 232, 255) }
```

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

Here you see how a box with a 4 pixel rgb(140, 232, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7218, 70.5087, 105.1750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 232, 255) }
```

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

```
.background{ background-color: rgb(140,  
232, 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