

Converting Colors

XYZ(74.6236, 79.2156,
222.4683)

Have a look what the booklet for
XYZ(74.6236, 79.2156, 222.4683)
contains.

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Color

**XYZ(52.3708, 70.3004,
105.4168)**

Conversions

Conversions Part 1

Format	Color
Hex	55EEFF
RGB	85, 238, 255
RGB Percent	33%, 93%, 100%
CMY	0.6666, 0.0667, 0.0000
CMYK	0.67, 0.07, 0.00, 0.00
HSL	186°, 100%, 67%
HSV	186°, 67%, 100%
XYZ	52.3708, 70.3004, 105.4168
YIQ	194.1910, -96.6450, -27.1490

Conversions

Conversions Part 2

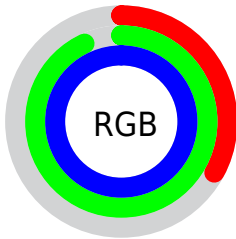
Format	Color
RYB	85, 166, 255
Decimal	5631743
CIELab	87.14, -34.68, -20.02
CIELCh	87, 40.042, 209.999
Yxy	70.3004, 0.2296, 0.3082
Android (android.graphics.Color)	4283821823 (0xFF55EEFF)
YUV	194.1910, 29.9788, -95.7605
Hunter-Lab	83.8453, -35.2361, -15.8522

Details

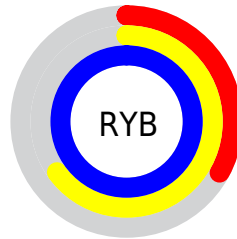
The XYZ color **52.3708, 70.3004, 105.4168** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **47.6320, 31.4199, 12.1504**, and the grayscale version is **51.2627, 53.9324, 58.7323**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **26.9210, 37.5331, 59.2518** is the 20% darker color. If you saturate the color by 10%, you get **49.7225, 67.8424, 105.0820**, and if you desaturate by 10%, it is **55.8672, 73.2142, 105.7950**.

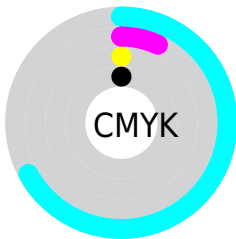
Distribution



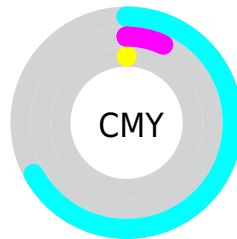
- Red (33%)
- Green (93%)
- Blue (100%)



- Red (33%)
- Yellow (65%)
- Blue (100%)



- Cyan (67%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.3708, 70.3004, 105.4168 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 52.3708, 70.3004, 105.4168 by changing the saturation by 10% instead.


 52.3708, 70.3004,
105.4168


 52.3708, 70.3004,
105.4168


386.1669,
461.6041, 598.8177


 37.5262, 51.7715,
80.1900


 92.8489, 119.6370,
170.6980


 25.7907, 36.8230,
59.3476

 119.2130,
151.2136, 211.5894

 16.7990, 25.0704,
42.4712

 150.1477,
187.9080, 258.5394

 10.1857, 16.1295,
29.1421

 186.0183,
230.1049, 311.9666

 5.5855, 9.6159,
18.9418

227.1902,
278.1886, 372.2895

 2.6329, 5.1450,
11.4519

274.0287,

 0.9628, 2.3326,

332.5434, 439.9266

6.2536

326.8991,
393.5537, 515.2965

■ 0.0000, 0.7909,
2.9286

■ 0.0000, 0.0000,
1.0583

■ 52.3708, 70.3004,
105.4168

■ 52.3708, 70.3004,
105.4168

■ 49.7225, 67.8424,
105.0820

■ 55.8672, 73.2142,
105.7950

■ 47.8219, 65.7840,
104.7848

■ 60.2862, 76.6178,
106.2190

■ 46.5522, 64.0663,
104.5202

■ 65.7009, 80.5504,
106.6927

■ 46.2090, 63.5380,
104.4363

■ 72.1753, 85.0451,
107.2190

■ 79.7681, 90.1321,
107.8008

■ 88.5335, 95.8396,
108.4404

95.0500, 100.0000,
108.9000

Harmonies

Analogous

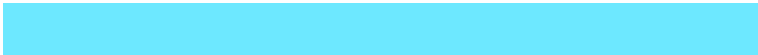
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.3415, 70.3004, 76.5443



52.3708, 70.3004, 105.4168



58.1915, 70.3004, 130.6221

Triad

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



52.3708, 70.3004, 105.4168



83.7048, 70.3004, 105.4188



66.8187, 70.3004, 35.6080

Complementary

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



52.3708, 70.3004, 105.4168



47.6320, 31.4199, 12.1504

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.



76.2584, 70.3004, 39.9312



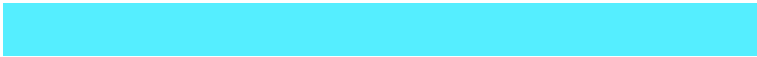
52.3708, 70.3004, 105.4168



86.5474, 70.3004, 76.5461

Square

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



52.3708, 70.3004, 105.4168



76.2578, 70.3004, 130.6234



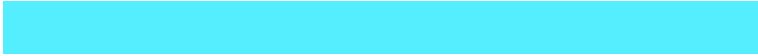
83.7052, 70.3004, 53.4943



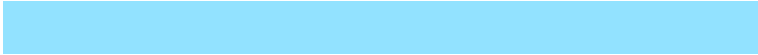
58.1920, 70.3004, 39.9306

Rectangle

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



52.3708, 70.3004, 105.4168



63.7318, 70.3004, 139.5908



83.7052, 70.3004, 53.4943



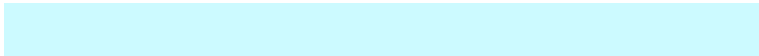
70.0031, 70.3004, 36.0818

Sweetspot

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



52.3728, 70.3029, 105.4172



77.1066, 88.3670, 107.6003



41.7677, 74.3559, 23.9991



16.0455, 18.6072, 22.9958



0.0000, 0.0000, 0.0000



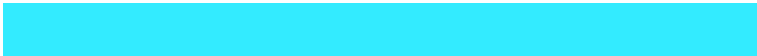
20.3446, 21.4041, 23.3091

Same Dimension

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



52.3728, 70.3029, 105.4172



49.0101, 67.1135, 104.9788



33.6586, 32.8746, 99.1792



18.3905, 20.1527, 23.1705



24.2084, 33.3264, 54.5913



2.4001, 3.3309, 5.3297

Inverse Universe

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



59.9224, 33.9317, 84.2829



57.3619, 29.6029, 80.9877



60.0560, 56.2679, 16.2918



18.7098, 18.2672, 22.3548



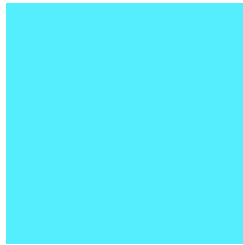
29.0075, 14.0923, 40.2854



2.8461, 1.3808, 4.0368

Previews

White Background



This preview shows how the XYZ color 52.3708, 70.3004, 105.4168 looks on a white background.

Color Contrast Check

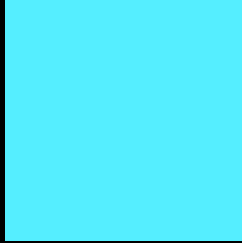
Large Text (above 18pt) WCAG AA × Fail

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 52.3708, 70.3004, 105.4168 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 52.3708, 70.3004, 105.4168

Background



This preview shows how black text looks on a background with the XYZ color 52.3708, 70.3004, 105.4168.

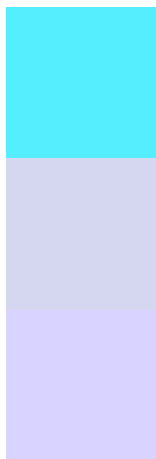


This preview shows how white text looks on a background with the XYZ color 52.3708, 70.3004,

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

52.3708, 70.3004, 105.4168

Protanopia

67.4692, 69.0383, 92.2078

Deuteranopia

69.9124, 68.9059, 104.2231



Tritanopia

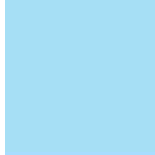
53.4798, 70.4410, 105.3855

Trichromacy



Original Color

52.3708, 70.3004, 105.4168



Protanomaly

58.5950, 67.4749, 96.3219



Deuteranomaly

60.0549, 67.2577, 104.4246



Tritanomaly

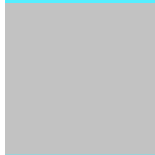
52.9503, 70.1681, 105.3608

Monochromacy



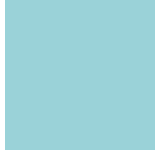
Original Color

52.3708, 70.3004, 105.4168



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.7677, 57.9211, 73.5753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3708, 70.3004, 105.4168 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(85, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(85, 238, 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(85, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.3708, 70.3004, 105.4168 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(85, 238, 255) }
```


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

```
.border{ border-color:rgb(85, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(85, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3708, 70.3004, 105.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 238, 255) }
```

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

```
.background{ background-color: rgb(85, 238,  
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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