

Converting Colors

XYZ(57.1321, 71.0860,
110.0404)

Have a look what the booklet for
XYZ(57.1321, 71.0860, 110.0404)
contains.

XYZ(56.0770, 70.5013, 105.2603)	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(56.0770, 70.5013,
105.2603)**

Conversions

Conversions Part 1

Format	Color
Hex	7EEAFF
RGB	126, 234, 255
RGB Percent	49%, 92%, 100%
CMY	0.5059, 0.0823, 0.0000
CMYK	0.51, 0.08, 0.00, 0.00
HSL	190°, 100%, 75%
HSV	190°, 51%, 100%
XYZ	56.0770, 70.5013, 105.2603
YIQ	204.1020, -71.1090, -16.3650

Conversions

Conversions Part 2

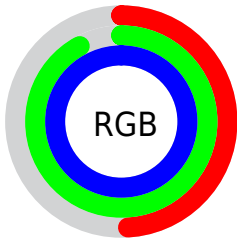
Format	Color
RYB	126, 185, 255
Decimal	8317695
CIELab	87.24, -25.65, -19.75
CIElCh	87, 32.375, 217.599
Yxy	70.5013, 0.2419, 0.3041
Android (android.graphics.Color)	4286507775 (0xFF7EEAFF)
YUV	204.1020, 25.0927, -68.4955
Hunter-Lab	83.9651, -27.7256, -15.5516

Details

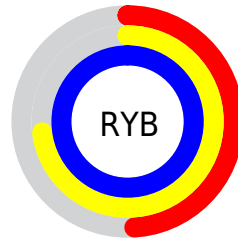
The XYZ color **56.0770, 70.5013, 105.2603** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.4403, 43.6345, 25.2409**, and the grayscale version is **57.3395, 60.3256, 65.6946**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **28.1000, 36.9421, 59.0756** is the 20% darker color. If you saturate the color by 10%, you get **51.6176, 66.4702, 104.7172**, and if you desaturate by 10%, it is **61.5261, 75.0868, 105.8582**.

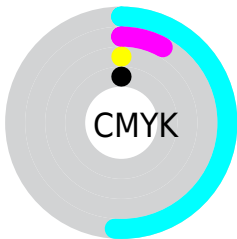
Distribution



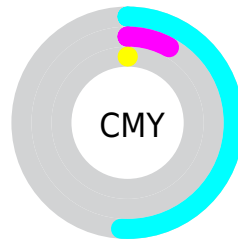
- Red (49%)
- Green (92%)
- Blue (100%)



- Red (49%)
- Yellow (73%)
- Blue (100%)



- Cyan (51%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.0770, 70.5013, 105.2603 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 56.0770, 70.5013, 105.2603 by changing the saturation by 10% instead.

56.0770, 70.5013,
105.2603

56.0770, 70.5013,
105.2603

400.0519,
462.3082, 598.3194

40.5019, 51.9353,
80.0596

98.2563, 119.9234,
170.4821

28.1160, 36.9535,
59.2409

125.5912,
151.5482, 211.3403

18.5541, 25.1715,
42.3858

157.5768,
188.2949, 258.2548

11.4506, 16.2049,
29.0757

194.5784,
230.5477, 311.6440

6.4403, 9.6692,
18.8920

236.9613,
278.6910, 371.9265

3.1578, 5.1802,
11.4162

285.0910,

1.2377, 2.3534,

333.1093, 439.5209

6.2299

339.3328,
394.1869, 514.8456

■ 0.1359, 0.8018,
2.9143

■ 0.0000, 0.0000,
1.0510

■ 56.0770, 70.5013,
105.2603

■ 56.0770, 70.5013,
105.2603

■ 51.6176, 66.4702,
104.7172

■ 61.5261, 75.0868,
105.8582

■ 48.0677, 62.9472,
104.2243

■ 68.0258, 80.2538,
106.5129

■ 45.3436, 59.8905,
103.7779

■ 75.6387, 86.0363,
107.2278

■ 43.3433, 57.2472,
103.3731

■ 84.4210, 92.4635,
108.0055

■ 41.9687, 55.0575,
103.0229

94.4248, 99.5626,
108.8485

95.0500, 100.0000,
108.9000

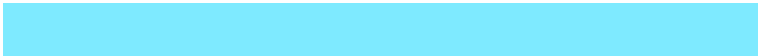
Harmonies

Analogous

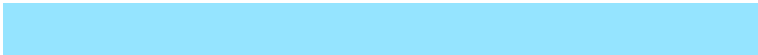
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.5330, 70.5013, 82.4372



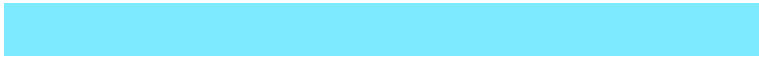
56.0770, 70.5013, 105.2603



61.5891, 70.5013, 122.3652

Triad

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



56.0770, 70.5013, 105.2603



81.4607, 70.5013, 93.8576



65.0939, 70.5013, 42.2816

Complementary

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



56.0770, 70.5013, 105.2603



55.4403, 43.6345, 25.2409

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.



72.7387, 70.5013, 44.1861



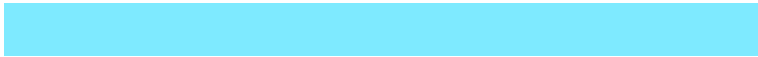
56.0770, 70.5013, 105.2603



82.5765, 70.5013, 71.3571

Square

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



56.0770, 70.5013, 105.2603



76.3346, 70.5013, 114.9613



79.2776, 70.5013, 53.9394



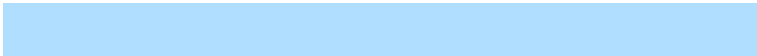
58.4763, 70.5013, 48.1308

Rectangle

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



56.0770, 70.5013, 105.2603



66.3986, 70.5013, 126.6777



79.2776, 70.5013, 53.9394



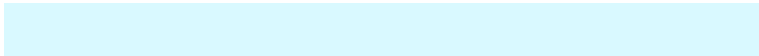
67.6239, 70.5013, 42.0595

Sweetspot

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



56.0789, 70.5039, 105.2607



80.3969, 89.5452, 107.6543



49.5033, 78.0114, 39.3804



16.8146, 18.8778, 23.0075



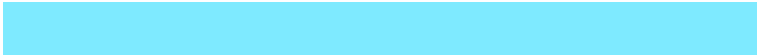
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.0789, 70.5039, 105.2607



51.4531, 66.3145, 104.6959



41.2470, 40.8400, 100.3167



18.2883, 19.9483, 23.1365



22.0232, 28.9560, 53.8629



2.2085, 2.9477, 5.2658

Inverse Universe

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



63.5534, 42.1239, 82.6259



59.9828, 35.9645, 78.4090



68.0163, 68.7867, 29.4329



18.6582, 18.2466, 22.0831



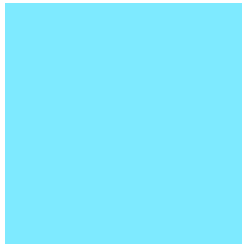
27.9045, 13.6511, 34.4772



2.7494, 1.3421, 3.5275

Previews

White Background



This preview shows how the XYZ color 56.0770, 70.5013, 105.2603 looks on a white background.

Color Contrast Check

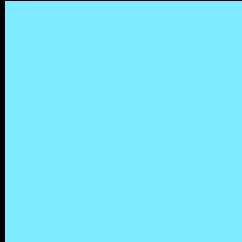
Large Text (above 18pt) WCAG AA × Fail

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 56.0770, 70.5013, 105.2603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

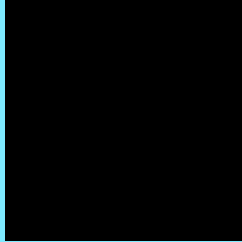
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.0770, 70.5013, 105.2603

Background



This preview shows how black text looks on a background with the XYZ color 56.0770, 70.5013, 105.2603.

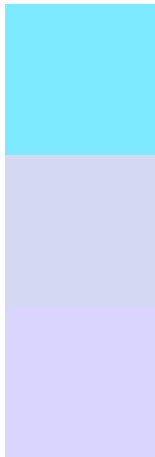


This preview shows how white text looks on a background with the XYZ color 56.0770, 70.5013,

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

56.0770, 70.5013, 105.2603

Protanopia

68.1741, 69.7289, 94.6599

Deuteranopia

70.7577, 69.7139, 104.3345



Tritanopia

55.6099, 70.2975, 103.5663

Trichromacy



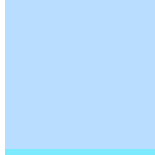
Original Color

56.0770, 70.5013, 105.2603



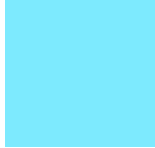
Protanomaly

62.2322, 69.3145, 98.0947



Deuteranomaly

63.9140, 69.2472, 104.6052



Tritanomaly

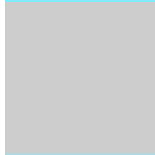
55.7697, 70.3614, 104.4077

Monochromacy



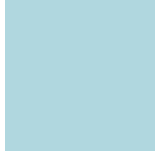
Original Color

56.0770, 70.5013, 105.2603



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

55.5242, 63.1587, 79.0764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0770, 70.5013, 105.2603 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(126, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 234, 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(126, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.0770, 70.5013, 105.2603 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(126, 234, 255) }
```


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

```
.border{ border-color:rgb(126, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(126, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0770, 70.5013, 105.2603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 234, 255) }
```

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

```
.background{ background-color: rgb(126,  
234, 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