

Converting Colors

XYZ(48.8610, 60.7078,
103.7503)

Have a look what the booklet for
XYZ(48.8610, 60.7078, 103.7503)
contains.

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Color

**XYZ(48.8610, 60.7078,
103.7503)**

Conversions

Conversions Part 1

Format	Color
Hex	66DBFF
RGB	102, 219, 255
RGB Percent	40%, 86%, 100%
CMY	0.6000, 0.1412, 0.0000
CMYK	0.60, 0.14, 0.00, 0.00
HSL	194°, 100%, 70%
HSV	194°, 60%, 100%
XYZ	48.8610, 60.7078, 103.7503
YIQ	188.1210, -81.2880, -13.6080

Conversions

Conversions Part 2

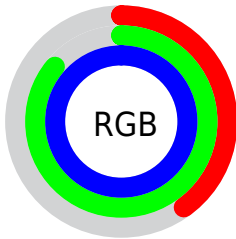
Format	Color
R _{YB}	102, 168, 255
Decimal	6740991
CIE Lab	82.22, -22.83, -27.46
CIE LCh	82, 35.710, 230.260
Yxy	60.7078, 0.2291, 0.2846
Android (android.graphics.Color)	4284931071 (0xFF66DBFF)
YUV	188.1210, 32.9713, -75.5281
Hunter-Lab	77.9152, -24.4134, -24.4087

Details

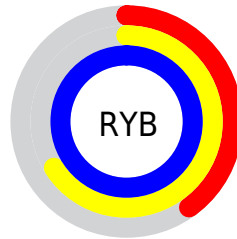
The XYZ color **48.8610, 60.7078, 103.7503** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **52.7278, 40.3978, 17.5909**, and the grayscale version is **47.7223, 50.2076, 54.6761**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **23.6201, 30.7063, 58.1081** is the 20% darker color. If you saturate the color by 10%, you get **44.8661, 56.3676, 103.1231**, and if you desaturate by 10%, it is **53.8043, 65.6232, 104.4385**.

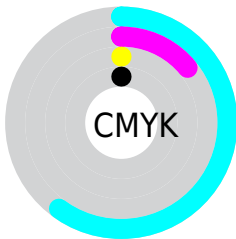
Distribution



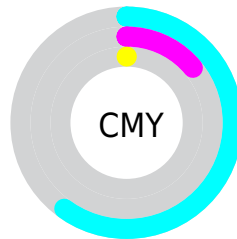
- Red (40%)
- Green (86%)
- Blue (100%)



- Red (40%)
- Yellow (66%)
- Blue (100%)



- Cyan (60%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8610, 60.7078, 103.7503 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 48.8610, 60.7078, 103.7503 by changing the saturation by 10% instead.

■ 48.8610, 60.7078,
103.7503

■ 48.8610, 60.7078,
103.7503

372.7209,
427.2018, 593.4998

■ 34.7233, 43.9894,
78.8020

■ 87.6869, 105.8557,
168.3981

■ 23.6153, 30.6622,
58.2127

■ 113.1059,
135.0541, 208.9347

■ 15.1717, 20.3417,
41.5638

■ 143.0160,
169.1811, 255.5045

■ 9.0271, 12.6437,
28.4369

177.7826,
208.6214, 308.5260

■ 4.8161, 7.1837,
18.4133

217.7710,
253.7592, 368.4177

■ 2.1734, 3.5772,
11.0746

263.3466,

■ 0.7287, 1.4400,

304.9789, 435.5982

6.0023

314.8748,
362.6650, 510.4861

■ 0.0000, 0.2459,
2.7776

■ 0.0000, 0.0000,
0.9822

■ 48.8610, 60.7078,
103.7503

■ 48.8610, 60.7078,
103.7503

■ 44.8661, 56.3676,
103.1231

■ 53.8043, 65.6232,
104.4385

■ 41.7293, 52.5514,
102.5518

■ 59.7651, 71.1465,
105.1904

■ 39.3511, 49.2083,
102.0319

■ 66.8118, 77.3150,
106.0097

■ 37.5661, 46.2521,
101.5553

■ 75.0053, 84.1611,
106.8993

■ 37.5656, 46.2512,
101.5552

■ 84.4018, 91.7144,
107.8619

95.0500, 100.0000,
108.9000

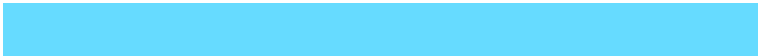
Harmonies

Analogous

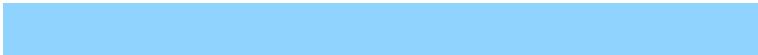
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.0589, 60.7078, 81.6637



48.8610, 60.7078, 103.7503



55.2660, 60.7078, 116.4717

Triad

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



48.8610, 60.7078, 103.7503



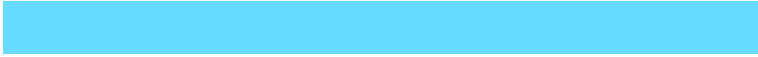
73.3206, 60.7078, 73.4297



52.7911, 60.7078, 34.1207

Complementary

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



48.8610, 60.7078, 103.7503



52.7278, 40.3978, 17.5909

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.



60.2064, 60.7078, 32.8596



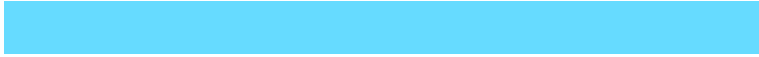
48.8610, 60.7078, 103.7503



72.5107, 60.7078, 52.6519

Square

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



48.8610, 60.7078, 103.7503



69.6722, 60.7078, 96.5987



67.5475, 60.7078, 38.8782



47.1861, 60.7078, 42.8098

Rectangle

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



48.8610, 60.7078, 103.7503



60.3409, 60.7078, 116.3754



67.5475, 60.7078, 38.8782



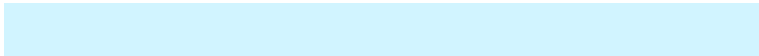
55.1391, 60.7078, 32.9010

Sweetspot

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



48.8627, 60.7099, 103.7506



76.7838, 85.6119, 107.0856



45.8066, 76.1717, 36.2217



15.8836, 17.8740, 22.8628



0.0000, 0.0000, 0.0000



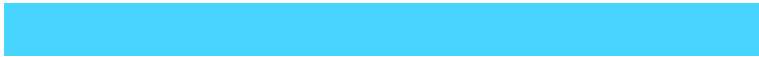
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8627, 60.7099, 103.7506



44.1719, 55.5626, 103.0043



33.3237, 29.6319, 98.5709



18.1713, 19.7143, 23.0975



19.7492, 24.4080, 53.1049



2.0062, 2.5431, 5.1984

Inverse Universe

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



58.7788, 35.8790, 70.8474



55.3774, 30.5610, 65.1363



67.7364, 70.4150, 22.5938



18.5991, 18.2230, 21.7721



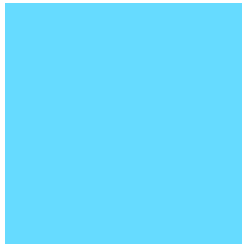
26.7567, 13.1920, 28.4329



2.6473, 1.3013, 2.9898

Previews

White Background



This preview shows how the XYZ color 48.8610, 60.7078, 103.7503 looks on a white background.

Color Contrast Check

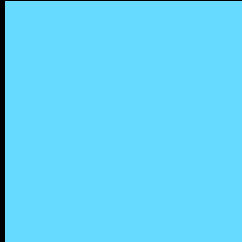
Large Text (above 18pt) WCAG AA × Fail

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 48.8610, 60.7078, 103.7503 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 48.8610, 60.7078, 103.7503

Background



This preview shows how black text looks on a background with the XYZ color 48.8610, 60.7078, 103.7503.

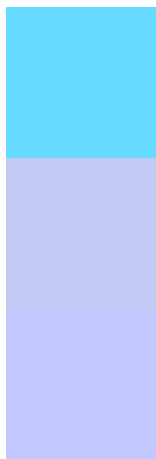


This preview shows how white text looks on a background with the XYZ color 48.8610, 60.7078,

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

48.8610, 60.7078, 103.7503

Protanopia

59.3124, 59.7137, 93.1938

Deuteranopia

60.9524, 59.9979, 102.9760



Tritanopia

46.5688, 60.9667, 91.7514

Trichromacy



Original Color

48.8610, 60.7078, 103.7503

Protanomaly

54.0423, 59.4042, 96.6135

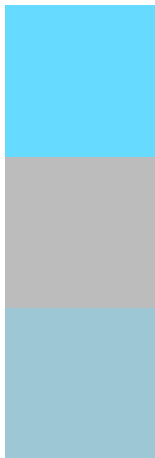
Deuteranomaly

55.0608, 59.4227, 103.1755

Tritanomaly

47.3749, 60.9021, 95.6446

Monochromacy



Original Color

48.8610, 60.7078, 103.7503

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.2117, 52.7684, 70.0371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8610, 60.7078, 103.7503 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(102, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 219, 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(102, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 219, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.8610, 60.7078, 103.7503 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(102, 219, 255) }
```


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

```
.border{ border-color:rgb(102, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 219,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8610, 60.7078, 103.7503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 219, 255) }
```

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

```
.background{ background-color: rgb(102,  
219, 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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