

Converting Colors

XYZ(47.7694, 56.6813,
102.9759)

Have a look what the booklet for
XYZ(47.7694, 56.6813, 102.9759)
contains.

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Color

**XYZ(47.7787, 56.7579,
103.0449)**

Conversions

Conversions Part 1

Format	Color
Hex	70D2FF
RGB	112, 210, 255
RGB Percent	44%, 82%, 100%
CMY	0.5608, 0.1765, 0.0000
CMYK	0.56, 0.18, 0.00, 0.00
HSL	199°, 100%, 72%
HSV	199°, 56%, 100%
XYZ	47.7787, 56.7579, 103.0449
YIQ	185.8280, -72.8530, -6.7810

Conversions

Conversions Part 2

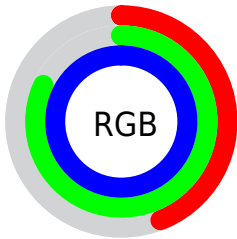
Format	Color
R _Y B	112, 170, 255
Decimal	7394047
CIE Lab	80.04, -16.42, -30.77
CIE LCh	80, 34.875, 241.912
Yxy	56.7579, 0.2302, 0.2734
Android (android.graphics.Color)	4285584127 (0xFF70D2FF)
YUV	185.8280, 34.1018, -64.7472
Hunter-Lab	75.3378, -18.6378, -28.3586

Details

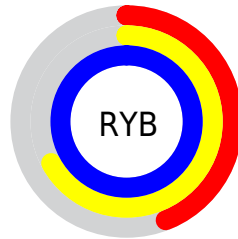
The XYZ color **47.7787, 56.7579, 103.0449** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.2228, 46.5454, 21.3523**, and the grayscale version is **46.4222, 48.8397, 53.1865**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **22.8692, 28.0121, 57.6276** is the 20% darker color. If you saturate the color by 10%, you get **43.0502, 51.4537, 102.2703**, and if you desaturate by 10%, it is **53.5284, 62.7384, 103.8962**.

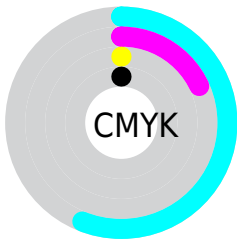
Distribution



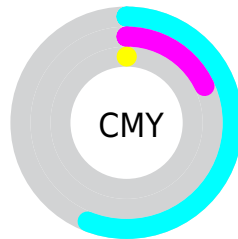
- Red (44%)
- Green (82%)
- Blue (100%)



- Red (44%)
- Yellow (67%)
- Blue (100%)



- Cyan (56%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7787, 56.7579, 103.0449 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 47.7787, 56.7579, 103.0449 by changing the saturation by 10% instead.

47.7787, 56.7579,
103.0449

47.7787, 56.7579,
103.0449

368.5115,
412.5415, 591.2413

33.8622, 40.8109,
78.2149

86.0865, 100.1118,
167.4236

22.9501, 28.1714,
57.7330

111.2085,
128.2876, 207.8093

14.6772, 18.4549,
41.1808

140.7964,
161.3083, 254.2173

8.6780, 11.2771,
28.1396

175.2155,
199.5585, 307.0663

4.5872, 6.2535,
18.1910

214.8312,
243.4226, 366.7746

2.0394, 2.9998,
10.9163

260.0089,

0.6559, 1.1316,

293.2848, 433.7608

5.8971

311.1139,
349.5297, 508.4435

■ 0.0000, 0.0048,
2.7148

■ 0.0000, 0.0000,
0.9509

■ 47.7787, 56.7579,
103.0449

■ 47.7787, 56.7579,
103.0449

■ 43.0502, 51.4537,
102.2703

■ 53.5284, 62.7384,
103.8962

■ 39.2565, 46.7756,
101.5673

■ 60.3662, 69.4282,
104.8271

■ 36.3046, 42.6746,
100.9313

■ 68.3588, 76.8649,
105.8413

■ 34.0769, 39.0878,
100.3564

■ 77.5658, 85.0813,
106.9419

■ 33.3326, 37.7852,
100.1442

■ 88.0426, 94.1080,
108.1321

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.



43.1812, 56.7579, 84.8238



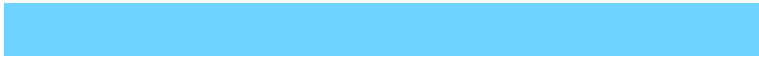
47.7787, 56.7579, 103.0449



54.4029, 56.7579, 109.6156

Triad

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



47.7787, 56.7579, 103.0449



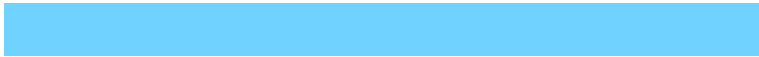
68.7526, 56.7579, 60.5059



47.0557, 56.7579, 34.2270

Complementary

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



47.7787, 56.7579, 103.0449



56.2228, 46.5454, 21.3523

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.



53.4930, 56.7579, 30.4128



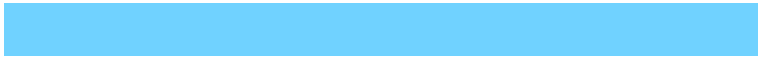
47.7787, 56.7579, 103.0449



66.3674, 56.7579, 43.3716

Square

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



47.7787, 56.7579, 103.0449



66.8911, 56.7579, 82.0671



60.6239, 56.7579, 33.3558



42.7902, 56.7579, 45.1782

Rectangle

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



47.7787, 56.7579, 103.0449



59.1963, 56.7579, 105.5650



60.6239, 56.7579, 33.3558



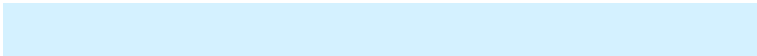
49.0170, 56.7579, 32.1911

Sweetspot

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



47.7804, 56.7599, 103.0452



76.6621, 84.2882, 106.8365



48.3515, 77.3286, 43.3461



15.9965, 17.6773, 22.8189



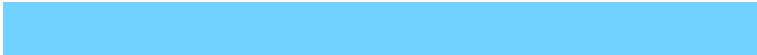
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



47.7804, 56.7599, 103.0452



42.6615, 50.9955, 102.2024



34.1999, 29.5990, 98.5184



18.0445, 19.4605, 23.0552



17.5569, 20.0233, 52.3741



1.8075, 2.1456, 5.1322

Inverse Universe

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



58.6682, 37.5033, 65.1214



54.9925, 31.8522, 58.6542



71.4707, 77.0413, 26.4350



18.5351, 18.1974, 21.4349



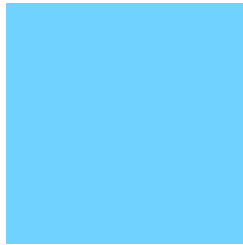
25.6501, 12.7493, 22.6056



2.5469, 1.2611, 2.4615

Previews

White Background



This preview shows how the XYZ color 47.7787, 56.7579, 103.0449 looks on a white background.

Color Contrast Check

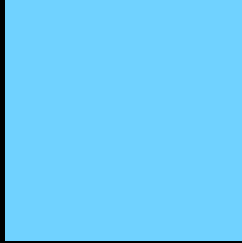
Large Text (above 18pt) WCAG AA × Fail

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 47.7787, 56.7579, 103.0449 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

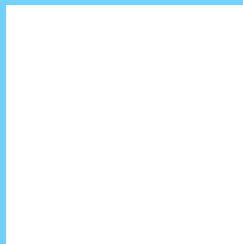
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7787, 56.7579, 103.0449

Background



This preview shows how black text looks on a background with the XYZ color 47.7787, 56.7579, 103.0449.

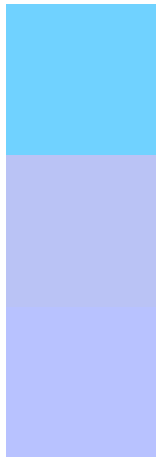


This preview shows how white text looks on a background with the XYZ color 47.7787, 56.7579,

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

47.7787, 56.7579, 103.0449

Protanopia

56.2462, 56.0619, 94.2427

Deuteranopia

57.1090, 55.9939, 102.4057



Tritanopia

44.0639, 56.7462, 84.2320

Trichromacy



Original Color

47.7787, 56.7579, 103.0449

Protanomaly

52.0512, 55.5190, 97.5954

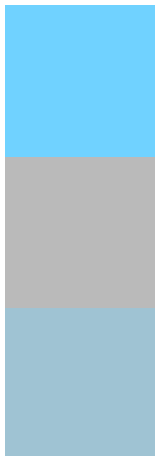
Deuteranomaly

52.8048, 55.7977, 102.5947

Tritanomaly

45.4663, 56.9439, 91.0330

Monochromacy



Original Color

47.7787, 56.7579, 103.0449

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.5711, 51.1043, 69.0903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7787, 56.7579, 103.0449 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(112, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 210, 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(112, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 210, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.7787, 56.7579, 103.0449 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(112, 210, 255) }
```


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

```
.border{ border-color:rgb(112, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 210,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7787, 56.7579, 103.0449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 210, 255) }
```

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

```
.background{ background-color: rgb(112,  
210, 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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