

# Converting Colors

XYZ(47.1690, 56.0330,  
102.9371)

Have a look what the booklet for  
XYZ(47.1690, 56.0330, 102.9371)  
contains.

<b>XYZ(47.1571, 56.0721, 102.9453)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(47.1571, 56.0721,  
102.9453)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DD1FF
RGB	109, 209, 255
RGB Percent	43%, 82%, 100%
CMY	0.5725, 0.1804, 0.0000
CMYK	0.57, 0.18, 0.00, 0.00
HSL	199°, 100%, 71%
HSV	199°, 57%, 100%
XYZ	47.1571, 56.0721, 102.9453
YIQ	184.3440, -74.3660, -6.8940

# Conversions

## Conversions Part 2

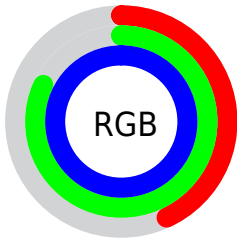
Format	Color
R <sub>YB</sub>	109, 168, 255
Decimal	7197183
CIE Lab	79.65, -16.48, -31.37
CIE LCh	80, 35.438, 242.292
Yxy	56.0721, 0.2287, 0.2720
Android (android.graphics.Color)	4285387263 (0xFF6DD1FF)
YUV	184.3440, 34.8334, -66.0767
Hunter-Lab	74.8813, -18.6305, -29.0938

# Details

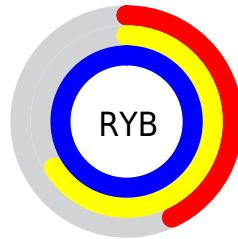
The XYZ color **47.1571, 56.0721, 102.9453** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.7227, 45.8083, 20.3750**, and the grayscale version is **45.5947, 47.9692, 52.2384**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **22.6419, 27.8950, 57.6170** is the 20% darker color. If you saturate the color by 10%, you get **42.5416, 50.8409, 102.1788**, and if you desaturate by 10%, it is **52.7850, 61.9750, 103.7880**.

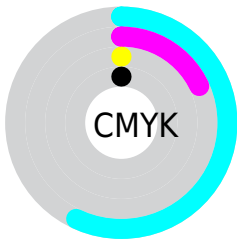
# Distribution



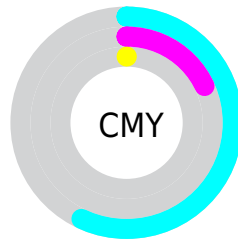
- Red (43%)
- Green (82%)
- Blue (100%)



- Red (43%)
- Yellow (66%)
- Blue (100%)



- Cyan (57%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1571, 56.0721, 102.9453 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 47.1571, 56.0721, 102.9453 by changing the saturation by 10% instead.



47.1571, 56.0721,  
102.9453

47.1571, 56.0721,  
102.9453

366.0797,  
409.9632, 590.9220

33.3683, 40.2607,  
78.1320

85.1654, 99.1100,  
167.2859

22.5693, 27.7419,  
57.6653

110.1156,  
127.1053, 207.6503

14.3948, 18.1312,  
41.1267

139.5171,  
159.9307, 254.0355

8.4793, 11.0442,  
28.0977

173.7351,  
197.9706, 306.8600

4.4575, 6.0966,  
18.1596

213.1350,  
241.6094, 366.5423

1.9641, 2.9039,  
10.8940

258.0821,

0.6137, 1.0818,

291.2315, 433.5011

5.8823

308.9419,  
347.2213, 508.1548

■ 0.0000, 0.0000,  
2.7060

■ 0.0000, 0.0000,  
0.9465

■ 47.1571, 56.0721,  
102.9453

■ 47.1571, 56.0721,  
102.9453

■ 42.5416, 50.8409,  
102.1788

■ 52.7850, 61.9750,  
103.7880

■ 38.8509, 46.2309,  
101.4835

■ 59.4931, 68.5833,  
104.7100

■ 35.9897, 42.1916,  
100.8547

■ 67.3489, 75.9350,  
105.7150

■ 33.8335, 38.6568,  
100.2860

■ 76.4126, 84.0631,  
106.8062

■ 33.3137, 37.7473,  
100.1379

■ 86.7401, 92.9985,  
107.9866

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

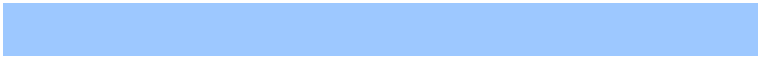
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.5016, 56.0721, 84.5845



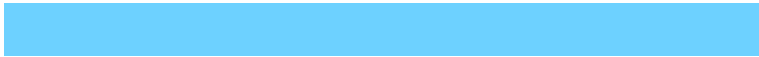
47.1571, 56.0721, 102.9453



53.8463, 56.0721, 109.4257

# Triad

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



47.1571, 56.0721, 102.9453



68.2391, 56.0721, 59.4927



46.2853, 56.0721, 33.4606

# Complementary

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



47.1571, 56.0721, 102.9453



55.7227, 45.8083, 20.3750

# 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.



52.7472, 56.0721, 29.5669



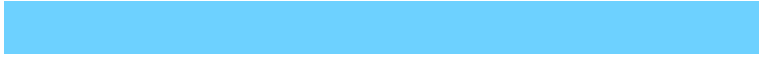
47.1571, 56.0721, 102.9453



65.7762, 56.0721, 42.3487

# Square

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



47.1571, 56.0721, 102.9453



66.4105, 56.0721, 81.2419



59.9433, 56.0721, 32.4177



42.0308, 56.0721, 44.5208



# Rectangle

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



47.1571, 56.0721, 102.9453



58.6794, 56.0721, 105.1881



59.9433, 56.0721, 32.4177



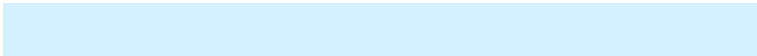
48.2502, 56.0721, 31.3979

# Sweetspot

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



47.1588, 56.0741, 102.9456



76.6572, 84.2784, 106.8348



47.8012, 77.0651, 42.4083



15.9953, 17.6750, 22.8185



0.0000, 0.0000, 0.0000

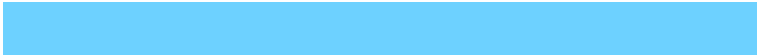


20.3446, 21.4041, 23.3091



# Same Dimension

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



47.1588, 56.0741, 102.9456



41.8322, 49.9916, 102.0523



33.4756, 28.7077, 98.3845



18.0439, 19.4593, 23.0550



17.5470, 20.0036, 52.3708



1.8066, 2.1438, 5.1319



# Inverse Universe

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



58.2184, 36.8024, 64.3587



54.4141, 31.0090, 57.4946



71.1431, 76.6491, 25.5151



18.5348, 18.1972, 21.4333



25.6451, 12.7473, 22.5795

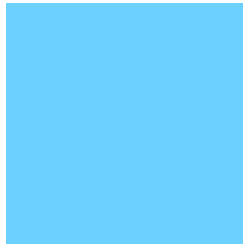


2.5465, 1.2610, 2.4591



# Previews

## White Background



This preview shows how the XYZ color 47.1571, 56.0721, 102.9453 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

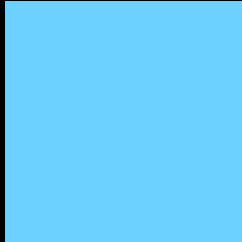
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.1571, 56.0721, 102.9453 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

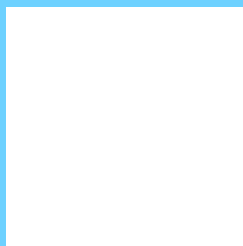
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 47.1571, 56.0721, 102.9453

## Background



This preview shows how black text looks on a background with the XYZ color 47.1571, 56.0721, 102.9453.



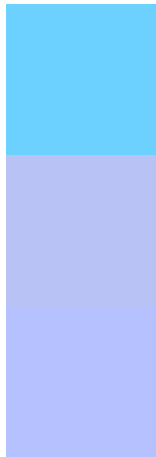
This preview shows how white text looks on a background with the XYZ color 47.1571, 56.0721,



# 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

47.1571, 56.0721, 102.9453

### Protanopia

55.3881, 55.3056, 93.3437

### Deuteranopia

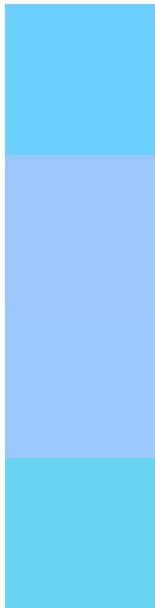
56.4114, 55.3050, 102.3095



## Tritanopia

43.3636, 56.0107, 84.1269

# Trichromacy



## Original Color

47.1571, 56.0721, 102.9453

## Protanomaly

51.2713, 54.7923, 96.6806

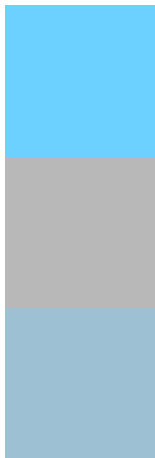
## Deuteranomaly

51.9910, 55.0354, 102.4904

## Tritanomaly

44.8652, 56.2618, 90.9330

# Monochromacy



## Original Color

47.1571, 56.0721, 102.9453

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

44.6074, 49.9612, 68.2652

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.1571, 56.0721, 102.9453 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(109, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 209, 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(109, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 209, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 47.1571, 56.0721, 102.9453 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(109, 209, 255) }
```



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

```
.border{ border-color:rgb(109, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 209, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 209, 255); box-shadow:4px 4px 4px 4px rgb(109, 209, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.1571, 56.0721, 102.9453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 209, 255) }
```

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

```
.background{ background-color: rgb(109,  
209, 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