

Converting Colors

XYZ(47.3745, 55.2073,
102.7669)

Have a look what the booklet for
XYZ(47.3745, 55.2073, 102.7669)
contains.

XYZ(47.3238, 55.0756, 102.7442)	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(47.3238, 55.0756,
102.7442)**

Conversions

Conversions Part 1

Format	Color
Hex	74CEFF
RGB	116, 206, 255
RGB Percent	45%, 81%, 100%
CMY	0.5451, 0.1921, 0.0000
CMYK	0.55, 0.19, 0.00, 0.00
HSL	201°, 100%, 73%
HSV	201°, 55%, 100%
XYZ	47.3238, 55.0756, 102.7442
YIQ	184.6760, -69.3690, -3.8410

Conversions

Conversions Part 2

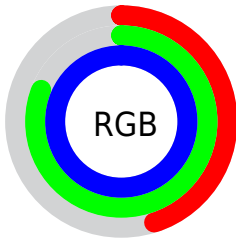
Format	Color
R _Y B	116, 171, 255
Decimal	7655167
CIE Lab	79.08, -13.55, -32.23
CIE LCh	79, 34.963, 247.190
Yxy	55.0756, 0.2307, 0.2685
Android (android.graphics.Color)	4285845247 (0xFF74CEFF)
YUV	184.6760, 34.6697, -60.2289
Hunter-Lab	74.2129, -16.0475, -30.1351

Details

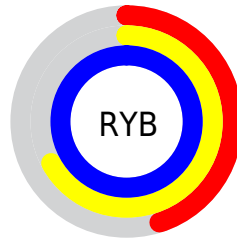
The XYZ color **47.3238, 55.0756, 102.7442** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.8487, 49.4329, 23.0177**, and the grayscale version is **45.7772, 48.1612, 52.4475**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **22.6879, 27.1867, 57.4779** is the 20% darker color. If you saturate the color by 10%, you get **42.2854, 49.3580, 101.9061**, and if you desaturate by 10%, it is **53.4194, 61.5241, 103.6676**.

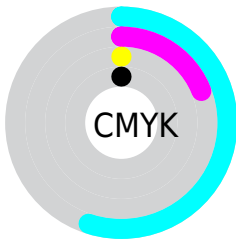
Distribution



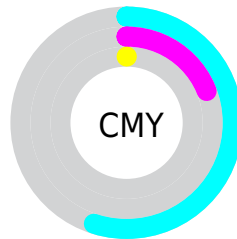
- Red (45%)
- Green (81%)
- Blue (100%)



- Red (45%)
- Yellow (67%)
- Blue (100%)



- Cyan (55%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3238, 55.0756, 102.7442 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 47.3238, 55.0756, 102.7442 by changing the saturation by 10% instead.

47.3238, 55.0756,
102.7442

47.3238, 55.0756,
102.7442

366.7329,
406.1984, 590.2771

33.5007, 39.4623,
77.9647

85.4126, 97.6517,
167.0079

22.6714, 27.1195,
57.5287

110.4089,
125.3833, 207.3292

14.4704, 17.6630,
41.0177

139.8605,
157.9230, 253.6682

8.5324, 10.7083,
28.0131

174.1325,
195.6553, 306.4434

4.4921, 5.8711,
18.0964

213.5904,
238.9647, 366.0733

1.9841, 2.7668,
10.8491

258.5996,

0.6250, 1.0112,

288.2354, 432.9766

5.8525

309.5253,
343.8518, 507.5716

■ 0.0000, 0.0000,
2.6883

■ 0.0000, 0.0000,
0.9375

■ 47.3238, 55.0756,
102.7442

■ 47.3238, 55.0756,
102.7442

■ 42.2854, 49.3580,
101.9061

■ 53.4194, 61.5241,
103.6676

■ 38.2190, 44.3211,
101.1482

■ 60.6385, 68.7375,
104.6794

■ 35.0333, 39.9158,
100.4658

■ 69.0474, 76.7538,
105.7835

■ 32.6147, 36.0803,
99.8530

■ 78.7056, 85.6067,
106.9832

■ 31.5248, 34.1695,
99.5416

■ 89.6685, 95.3273,
108.2817

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.



42.3840, 55.0756, 86.2781



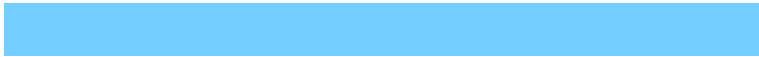
47.3238, 55.0756, 102.7442



54.0424, 55.0756, 106.6573

Triad

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



47.3238, 55.0756, 102.7442



66.7962, 55.0756, 55.2930



44.6601, 55.0756, 34.3014

Complementary

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



47.3238, 55.0756, 102.7442



57.8487, 49.4329, 23.0177

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.



50.6888, 55.0756, 29.3880



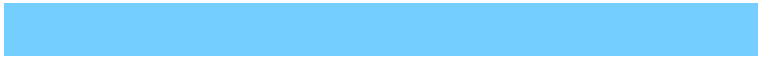
47.3238, 55.0756, 102.7442



63.7621, 55.0756, 39.6373

Square

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



47.3238, 55.0756, 102.7442



65.6936, 55.0756, 76.1063



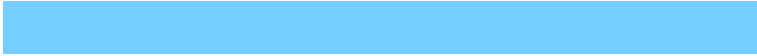
57.7152, 55.0756, 31.0977



40.9440, 55.0756, 46.2893

Rectangle

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



47.3238, 55.0756, 102.7442



58.7111, 55.0756, 100.9801



57.7152, 55.0756, 31.0977



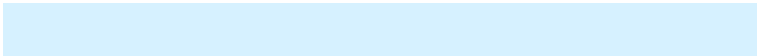
46.4616, 55.0756, 31.9044

Sweetspot

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



47.3254, 55.0775, 102.7445



77.1821, 84.2306, 106.7979



49.7235, 77.9375, 47.8555



16.0807, 17.6294, 22.8052



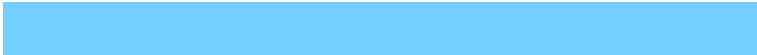
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



47.3254, 55.0775, 102.7445



42.0628, 49.0941, 101.8669



34.1786, 28.7839, 98.3622



17.9845, 19.3406, 23.0352



16.6181, 18.1457, 52.0612



1.7209, 1.9724, 5.1033

Inverse Universe

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



58.6272, 38.2088, 62.6795



54.8621, 32.4580, 55.9393



73.8586, 81.4528, 28.3544



18.5048, 18.1852, 21.2755



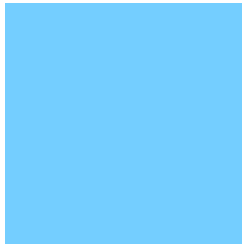
25.1762, 12.5598, 20.1103



2.5032, 1.2437, 2.2314

Previews

White Background



This preview shows how the XYZ color 47.3238, 55.0756, 102.7442 looks on a white background.

Color Contrast Check

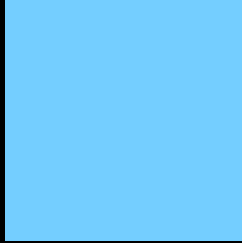
Large Text (above 18pt) WCAG AA × Fail

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 47.3238, 55.0756, 102.7442 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

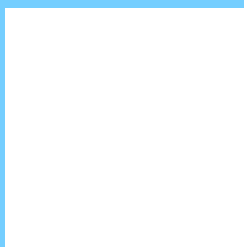
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.3238, 55.0756, 102.7442

Background



This preview shows how black text looks on a background with the XYZ color 47.3238, 55.0756, 102.7442.



This preview shows how white text looks on a background with the XYZ color 47.3238, 55.0756,

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

47.3238, 55.0756, 102.7442

Protanopia

54.8428, 54.6776, 94.0495

Deuteranopia

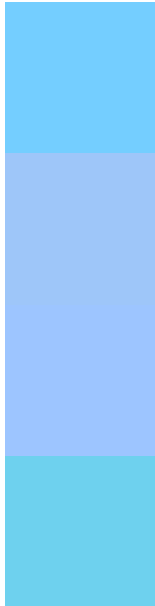
55.7220, 54.6226, 102.2141



Tritanopia

43.2417, 55.2541, 81.7848

Trichromacy



Original Color

47.3238, 55.0756, 102.7442

Protanomaly

51.3935, 54.4968, 97.4327

Deuteranomaly

51.9209, 54.3206, 102.3561

Tritanomaly

44.6635, 55.0890, 89.1681

Monochromacy



Original Color

47.3238, 55.0756, 102.7442

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.2000, 50.2667, 68.2929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3238, 55.0756, 102.7442 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(116, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(116, 206, 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(116, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.3238, 55.0756, 102.7442 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(116, 206, 255) }
```


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

```
.border{ border-color:rgb(116, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(116, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3238, 55.0756, 102.7442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 206, 255) }
```

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

```
.background{ background-color: rgb(116,  
206, 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