

Converting Colors

XYZ(47.6925, 55.5548,
102.8172)

Have a look what the booklet for
XYZ(47.6925, 55.5548, 102.8172)
contains.

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Color

**XYZ(47.6989, 55.6276,
102.8309)**

Conversions

Conversions Part 1

Format	Color
Hex	75CFFF
RGB	117, 207, 255
RGB Percent	46%, 81%, 100%
CMY	0.5412, 0.1882, 0.0000
CMYK	0.54, 0.19, 0.00, 0.00
HSL	201°, 100%, 73%
HSV	201°, 54%, 100%
XYZ	47.6989, 55.6276, 102.8309
YIQ	185.5620, -69.0480, -4.1520

Conversions

Conversions Part 2

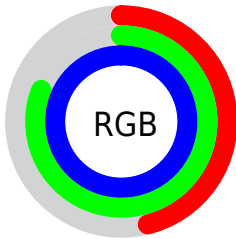
Format	Color
RYB	117, 171, 255
Decimal	7720959
CIELab	79.40, -13.88, -31.74
CIElCh	79, 34.639, 246.387
Yxy	55.6276, 0.2314, 0.2698
Android (android.graphics.Color)	4285911039 (0xFF75CFFF)
YUV	185.5620, 34.2329, -60.1289
Hunter-Lab	74.5839, -16.3651, -29.5360

Details

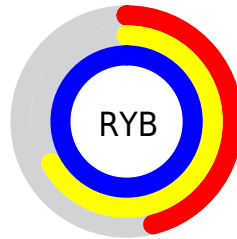
The XYZ color **47.6989, 55.6276, 102.8309** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.9069, 49.4558, 23.3254**, and the grayscale version is **46.2715, 48.6812, 53.0138**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **22.9495, 27.5635, 57.5368** is the 20% darker color. If you saturate the color by 10%, you get **42.6392, 49.9194, 101.9958**, and if you desaturate by 10%, it is **53.8156, 62.0621, 103.7506**.

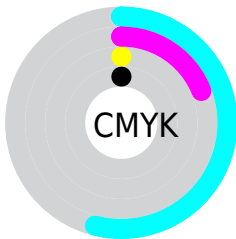
Distribution



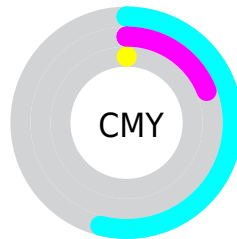
- Red (46%)
- Green (81%)
- Blue (100%)



- Red (46%)
- Yellow (67%)
- Blue (100%)



- Cyan (54%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6989, 55.6276, 102.8309 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 47.6989, 55.6276, 102.8309 by changing the saturation by 10% instead.

■ 47.6989, 55.6276,
102.8309

■ 47.6989, 55.6276,
102.8309

368.1999,
408.2866, 590.5552

■ 33.7988, 39.9044,
78.0368

■ 85.9683, 98.4599,
167.1278

■ 22.9012, 27.4640,
57.5876

■ 111.0683,
126.3378, 207.4677

■ 14.6409, 17.9220,
41.0647

■ 140.6324,
159.0360, 253.8266

■ 8.6524, 10.8940,
28.0496

175.0257,
196.9390, 306.6230

■ 4.5704, 5.9956,
18.1237

214.6138,
240.4312, 366.2756

■ 2.0296, 2.8424,
10.8684

259.7620,

■ 0.6505, 1.0500,

289.8969, 433.2027

5.8654

310.8355,
345.7206, 507.8231

■ 0.0000, 0.0000,
2.6959

■ 0.0000, 0.0000,
0.9414

■ 47.6989, 55.6276,
102.8309

■ 47.6989, 55.6276,
102.8309

■ 42.6392, 49.9194,
101.9958

■ 53.8156, 62.0621,
103.7506

■ 38.5517, 44.8876,
101.2400

■ 61.0553, 69.2565,
104.7576

■ 35.3460, 40.4837,
100.5589

■ 69.4838, 77.2487,
105.8560

■ 32.9096, 36.6465,
99.9467

■ 79.1606, 86.0718,
107.0490

■ 31.7420, 34.6040,
99.6140

■ 90.1407, 95.7570,
108.3398

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.



42.8291, 55.6276, 86.2232



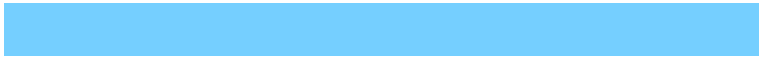
47.6989, 55.6276, 102.8309



54.3726, 55.6276, 107.1108

Triad

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



47.6989, 55.6276, 102.8309



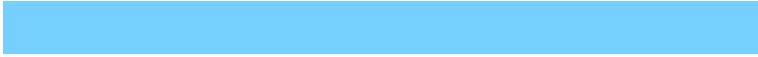
67.2932, 55.6276, 56.4115



45.3356, 55.6276, 34.6913

Complementary

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



47.6989, 55.6276, 102.8309



57.9069, 49.4558, 23.3254

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.



51.4000, 55.6276, 29.9444



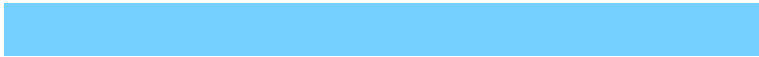
47.6989, 55.6276, 102.8309



64.3745, 55.6276, 40.5866

Square

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



47.6989, 55.6276, 102.8309



66.0840, 55.6276, 77.2261



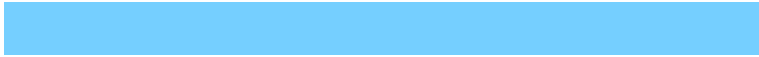
58.4070, 55.6276, 31.8377



41.5505, 55.6276, 46.4978

Rectangle

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



47.6989, 55.6276, 102.8309



59.0355, 55.6276, 101.7211



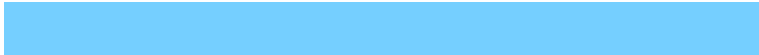
58.4070, 55.6276, 31.8377



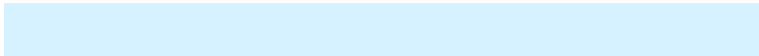
47.1538, 55.6276, 32.3502

Sweetspot

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



47.7006, 55.6296, 102.8312



77.2388, 84.3439, 106.8168



49.7082, 77.9468, 47.0776



16.0942, 17.6565, 22.8097



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.



47.7006, 55.6296, 102.8312



42.2395, 49.4475, 101.9258



34.7658, 29.7600, 98.5196



17.9919, 19.3554, 23.0376



16.7310, 18.3715, 52.0988



1.7313, 1.9934, 5.1068

Inverse Universe

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



58.8649, 38.4892, 63.3602



54.9513, 32.4937, 56.4090



73.3081, 80.2583, 28.4591



18.5086, 18.1867, 21.2952



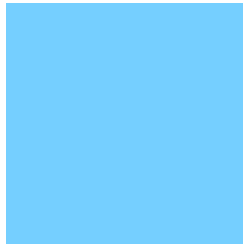
25.2332, 12.5826, 20.4104



2.5085, 1.2458, 2.2592

Previews

White Background



This preview shows how the XYZ color 47.6989, 55.6276, 102.8309 looks on a white background.

Color Contrast Check

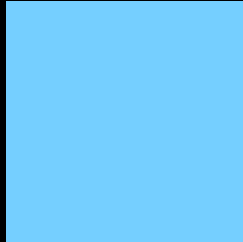
Large Text (above 18pt) WCAG AA × Fail

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 47.6989, 55.6276, 102.8309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

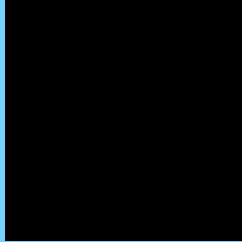
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

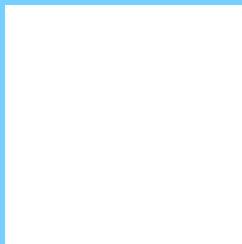
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6989, 55.6276, 102.8309

Background



This preview shows how black text looks on a background with the XYZ color 47.6989, 55.6276, 102.8309.

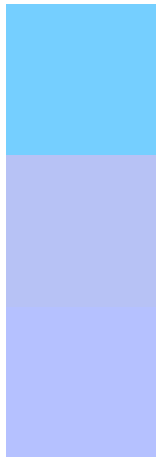


This preview shows how white text looks on a background with the XYZ color 47.6989, 55.6276,

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

47.6989, 55.6276, 102.8309

Protanopia

55.3017, 55.2434, 94.1345

Deuteranopia

56.1760, 55.1837, 102.2985



Tritanopia

43.7497, 55.8699, 82.6069

Trichromacy



Original Color

47.6989, 55.6276, 102.8309

Protanomaly

51.8204, 55.0573, 97.5184

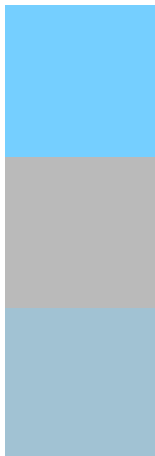
Deuteranomaly

52.3446, 54.8773, 102.4413

Tritanomaly

45.0348, 55.6457, 89.2560

Monochromacy



Original Color

47.6989, 55.6276, 102.8309

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.7476, 50.8638, 69.0346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6989, 55.6276, 102.8309 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(117, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 207, 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(117, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 207, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.6989, 55.6276, 102.8309 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(117, 207, 255) }
```


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

```
.border{ border-color:rgb(117, 207, 255) }
```

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

Here you see how a box with a 4 pixel rgb(117, 207, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 207,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6989, 55.6276, 102.8309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 207, 255) }
```

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

```
.background{ background-color: rgb(117,  
207, 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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