

Converting Colors

XYZ(48.7037, 52.7022,
101.2504)

Have a look what the booklet for
XYZ(48.7037, 52.7022, 101.2504)
contains.

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Color

**XYZ(48.6709, 52.6637,
101.3658)**

Conversions

Conversions Part 1

Format	Color
Hex	8CC5FE
RGB	140, 197, 254
RGB Percent	55%, 77%, 100%
CMY	0.4510, 0.2274, 0.0039
CMYK	0.45, 0.22, 0.00, 0.00
HSL	210°, 98%, 77%
HSV	210°, 45%, 100%
XYZ	48.6709, 52.6637, 101.3658
YIQ	186.4550, -52.2690, 5.6430

Conversions

Conversions Part 2

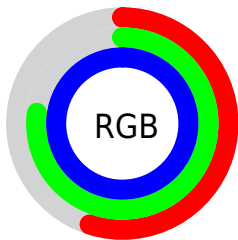
Format	Color
R_{YB}	140, 178, 254
Decimal	9225726
CIE _{Lab}	77.68, -3.76, -33.78
CIE _{LCh}	78, 33.985, 263.653
Yxy	52.6637, 0.2401, 0.2598
Android (android.graphics.Color)	4287415806 (0xFF8CC5FE)
YUV	186.4550, 33.2997, -40.7410
Hunter-Lab	72.5698, -7.2812, -32.0177

Details

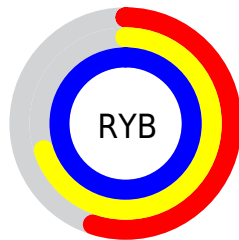
The XYZ color **48.6709, 52.6637, 101.3658** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.5745, 62.8987, 33.4976**, and the grayscale version is **46.7688, 49.2044, 53.5836**.

A 20% lighter version of the original color is **76.7805, 90.1094, 107.9538**, and **23.4678, 25.5151, 56.5114** is the 20% darker color. If you saturate the color by 10%, you get **42.1115, 45.1810, 100.2682**, and if you desaturate by 10%, it is **56.4645, 61.1455, 102.5932**.

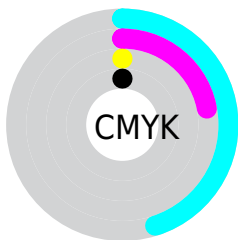
Distribution



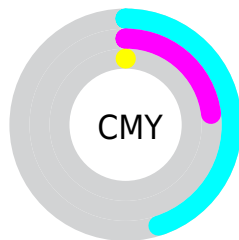
- Red (55%)
- Green (77%)
- Blue (100%)



- Red (55%)
- Yellow (70%)
- Blue (100%)



- Cyan (45%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6709, 52.6637, 101.3658 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 48.6709, 52.6637, 101.3658 by changing the saturation by 10% instead.

■ 48.6709, 52.6637,
101.3658

■ 48.6709, 52.6637,
101.3658

371.9838,
396.9935, 585.8468

■ 34.5719, 37.5344,
76.8184

■ 87.4061, 94.1093,
165.1011

■ 23.4983, 25.6215,
56.5932

■ 112.7731,
121.1944, 205.1260

■ 15.0846, 16.5407,
40.2715

142.6269,
153.0335, 251.1473

■ 8.9655, 9.9076,
27.4349

177.3327,
190.0111, 303.5834

■ 4.7756, 5.3377,
17.6648

217.2559,
232.5115, 362.8528

■ 2.1496, 2.4467,
10.5427

262.7619,

■ 0.7160, 0.8498,

280.9191, 429.3742

5.6499

314.2161,
335.6183, 503.5660

■ 0.0000, 0.0000,
2.5681

■ 0.0000, 0.0000,
0.8759

■ 48.6709, 52.6637,
101.3658

■ 48.6709, 52.6637,
101.3658

■ 42.1115, 45.1810,
100.2682

■ 56.4645, 61.1455,
102.5932

■ 36.7062, 38.6440,
99.2913

■ 65.5551, 70.6641,
103.9513

■ 32.3727, 33.0022,
98.4307

■ 76.0073, 81.2620,
105.4460

■ 29.0141, 28.1960,
97.6801

■ 87.8794, 92.9775,
107.0816

■ 26.5121, 24.1545,
97.0318

94.8896, 99.9358,
108.0552

■ 25.4790, 22.3346,
96.7350

Harmonies

Analogous

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



42.9318, 52.6637, 91.7173



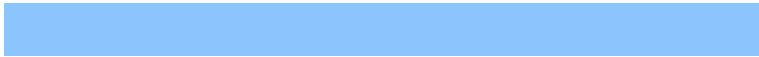
48.6709, 52.6637, 101.3658



55.2992, 52.6637, 97.3001

Triad

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



48.6709, 52.6637, 101.3658



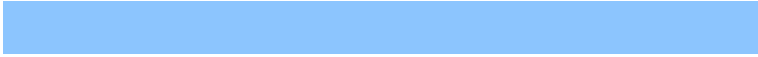
62.5482, 52.6637, 44.0110



40.5497, 52.6637, 38.4525

Complementary

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



48.6709, 52.6637, 101.3658



65.5745, 62.8987, 33.4976

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.



45.1538, 52.6637, 30.1651



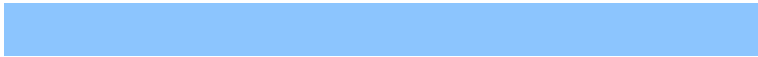
48.6709, 52.6637, 101.3658



57.9262, 52.6637, 32.8488

Square

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



48.6709, 52.6637, 101.3658



63.6971, 52.6637, 61.4375



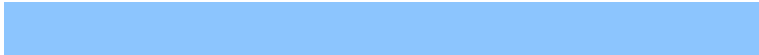
51.4656, 52.6637, 28.3652



38.5151, 52.6637, 53.4323

Rectangle

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



48.6709, 52.6637, 101.3658



59.2966, 52.6637, 87.7220



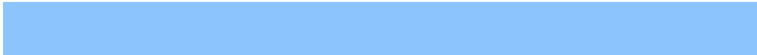
51.4656, 52.6637, 28.3652



41.8277, 52.6637, 34.9365

Sweetspot

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



48.6727, 52.6657, 101.3671



78.8267, 84.1227, 106.6904



56.3367, 80.4916, 65.3925



16.3352, 17.4700, 22.7610



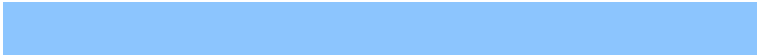
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



48.6727, 52.6657, 101.3671



43.0170, 46.2037, 101.2587



38.0846, 31.4895, 97.8377



17.7534, 18.8784, 22.9581



13.5802, 12.0700, 51.0486



1.4315, 1.3936, 5.0068

Inverse Universe

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



60.3307, 43.8602, 58.1113



56.5152, 37.6041, 50.8176



81.0497, 93.8490, 38.6559



18.3882, 18.1386, 20.6613



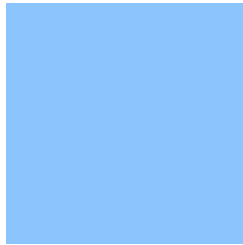
23.6429, 11.9464, 12.0357



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 48.6709, 52.6637, 101.3658 looks on a white background.

Color Contrast Check

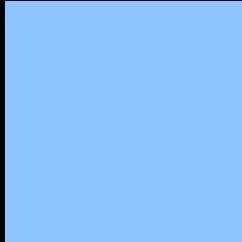
Large Text (above 18pt) WCAG AA × Fail

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 48.6709, 52.6637, 101.3658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

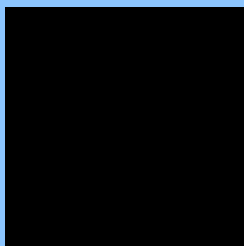
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

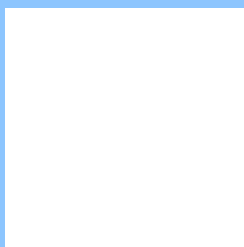
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6709, 52.6637, 101.3658

Background



This preview shows how black text looks on a background with the XYZ color 48.6709, 52.6637, 101.3658.



This preview shows how white text looks on a background with the XYZ color 48.6709, 52.6637,

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

48.6709, 52.6637, 101.3658

Protanopia

53.0454, 52.4026, 96.1259

Deuteranopia

53.4888, 52.1851, 101.8613



Tritanopia

43.4801, 52.6250, 75.5761

Trichromacy



Original Color

48.6709, 52.6637, 101.3658

Protanomaly

51.2092, 52.3879, 97.8553

Deuteranomaly

51.5811, 52.1630, 101.9576

Tritanomaly

45.2836, 52.6678, 84.1231

Monochromacy



Original Color

48.6709, 52.6637, 101.3658

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.5335, 49.9651, 68.8197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6709, 52.6637, 101.3658 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(140, 197, 254)` looks like.

```
.text, #text, p{  
    color:rgb(140, 197, 254)  
}
```

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(140, 197, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 197, 254) }
```

Border

The CSS property to change the border of an element to XYZ 48.6709, 52.6637, 101.3658 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(140, 197, 254) }
```


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

```
.border{ border-color:rgb(140, 197, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 197, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 197, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 197, 254);  
box-shadow:4px 4px 4px 4px rgb(140, 197,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6709, 52.6637, 101.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 197, 254) }
```

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

```
.background{ background-color: rgb(140,  
197, 254) }
```

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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