

Converting Colors

XYZ(48.7177, 52.7010,
102.2124)

Have a look what the booklet for
XYZ(48.7177, 52.7010, 102.2124)
contains.

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Color

**XYZ(48.6637, 52.6415,
102.2037)**

Conversions

Conversions Part 1

Format	Color
Hex	8BC5FF
RGB	139, 197, 255
RGB Percent	55%, 77%, 100%
CMY	0.4549, 0.2274, 0.0000
CMYK	0.45, 0.23, 0.00, 0.00
HSL	210°, 100%, 77%
HSV	210°, 45%, 100%
XYZ	48.6637, 52.6415, 102.2037
YIQ	186.2700, -53.1860, 5.7420

Conversions

Conversions Part 2

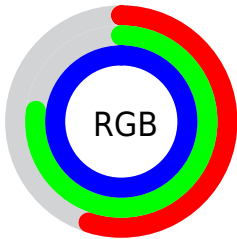
Format	Color
RYB	139, 178, 255
Decimal	9160191
CIELab	77.66, -3.72, -34.34
CIELCh	78, 34.537, 263.816
Yxy	52.6415, 0.2391, 0.2587
Android (android.graphics.Color)	4287350271 (0xFF8BC5FF)
YUV	186.2700, 33.8839, -41.4558
Hunter-Lab	72.5545, -7.2469, -32.7306

Details

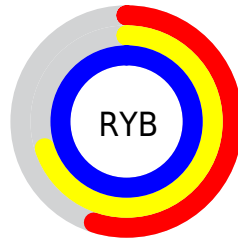
The XYZ color **48.6637, 52.6415, 102.2037** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.8672, 63.0575, 33.1277**, and the grayscale version is **46.6623, 49.0923, 53.4615**.

A 20% lighter version of the original color is **76.5178, 89.9739, 107.9415**, and **23.4088, 25.4715, 57.1088** is the 20% darker color. If you saturate the color by 10%, you get **42.1184, 45.1507, 101.1028**, and if you desaturate by 10%, it is **56.4500, 61.1377, 103.4333**.

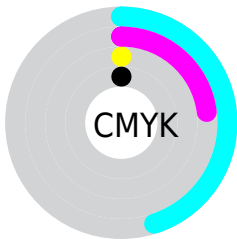
Distribution



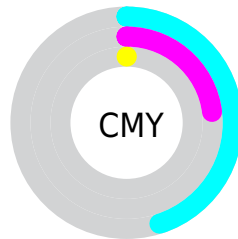
- Red (55%)
- Green (77%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6637, 52.6415, 102.2037 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 48.6637, 52.6415, 102.2037 by changing the saturation by 10% instead.

■ 48.6637, 52.6415,
102.2037

■ 48.6637, 52.6415,
102.2037

371.9558,
396.9082, 588.5420

■ 34.5662, 37.5167,
77.5151

■ 87.3955, 94.0766,
166.2605

■ 23.4939, 25.6078,
57.1617

■ 112.7605,
121.1557, 206.4658

■ 15.0813, 16.5304,
40.7248

142.6121,
152.9883, 252.6804

■ 8.9631, 9.9003,
27.7860

177.3156,
189.9589, 305.3228

■ 4.7741, 5.3329,
17.9268

217.2364,
232.4517, 364.8117

■ 2.1487, 2.4439,
10.7286

262.7398,

■ 0.7155, 0.8483,

280.8513, 431.5655

5.7727

314.1911,
335.5420, 506.0027

■ 0.0000, 0.0000,
2.6408

■ 0.0000, 0.0000,
0.9134

■ 48.6637, 52.6415,
102.2037

■ 48.6637, 52.6415,
102.2037

■ 42.1184, 45.1507,
101.1028

■ 56.4500, 61.1377,
103.4333

■ 36.7332, 38.6114,
100.1244

■ 65.5415, 70.6779,
104.7955

■ 32.4243, 32.9722,
99.2631

■ 76.0036, 81.3051,
106.2954

■ 29.0926, 28.1724,
98.5122

■ 87.8955, 93.0580,
107.9372

■ 26.6172, 24.1394,
97.8642

95.0500, 100.0000,
108.9000

■ 25.7043, 22.5287,
97.6014

Harmonies

Analogous

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



42.8297, 52.6415, 92.4186



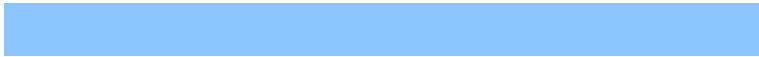
48.6637, 52.6415, 102.2037



55.4006, 52.6415, 97.9732

Triad

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



48.6637, 52.6415, 102.2037



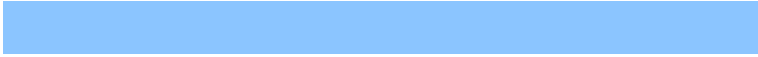
62.7249, 52.6415, 43.7131



40.3691, 52.6415, 38.2324

Complementary

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



48.6637, 52.6415, 102.2037



65.8672, 63.0575, 33.1277

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.



45.0260, 52.6415, 29.8273



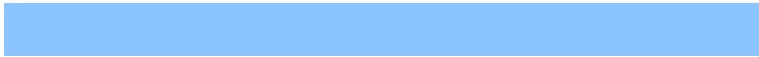
48.6637, 52.6415, 102.2037



58.0044, 52.6415, 32.4642

Square

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



48.6637, 52.6415, 102.2037



63.9168, 52.6415, 61.3709



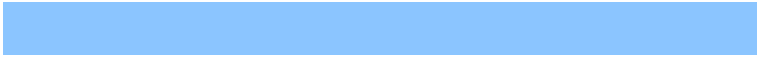
51.4301, 52.6415, 27.9792



38.3230, 52.6415, 53.4469

Rectangle

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



48.6637, 52.6415, 102.2037



59.4615, 52.6415, 88.1589



51.4301, 52.6415, 27.9792



41.6600, 52.6415, 34.6663

Sweetspot

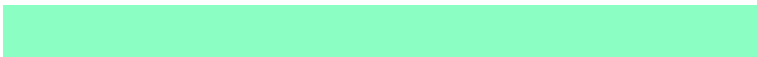
The Sweet Spot groups the original color and five complimentary colors.



48.6653, 52.6434, 102.2040



77.6815, 82.9821, 106.5306



56.2665, 80.9527, 64.3307



16.1086, 17.2429, 22.7292



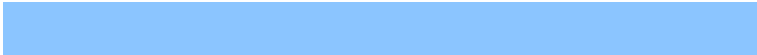
0.0000, 0.0000, 0.0000



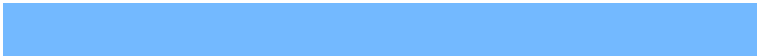
20.3446, 21.4041, 23.3091

Same Dimension

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



48.6653, 52.6434, 102.2040



42.4104, 45.4940, 101.1537



38.2141, 31.7409, 98.7203



17.7534, 18.8785, 22.9581



13.5804, 12.0703, 51.0486



1.4315, 1.3937, 5.0068

Inverse Universe

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



60.5518, 43.7581, 58.0800



56.0861, 36.9621, 50.0086



81.0469, 93.4169, 38.1877



18.3882, 18.1386, 20.6613



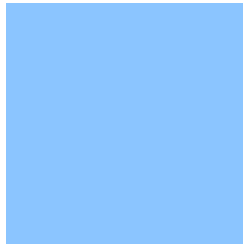
23.6429, 11.9465, 12.0361



2.3572, 1.1852, 1.4622

Previews

White Background



This preview shows how the XYZ color 48.6637, 52.6415, 102.2037 looks on a white background.

Color Contrast Check

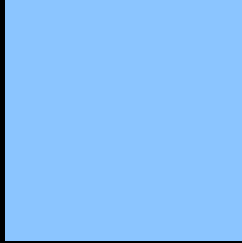
Large Text (above 18pt) WCAG AA × Fail

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 48.6637, 52.6415, 102.2037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

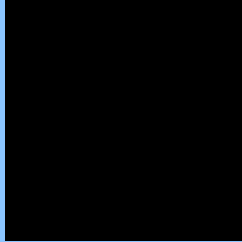
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

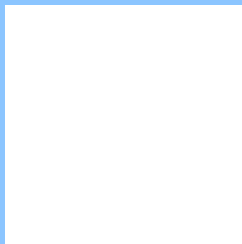
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6637, 52.6415, 102.2037

Background



This preview shows how black text looks on a background with the XYZ color 48.6637, 52.6415, 102.2037.



This preview shows how white text looks on a background with the XYZ color 48.6637, 52.6415,

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

48.6637, 52.6415, 102.2037

Protanopia

52.9757, 52.3487, 96.9347

Deuteranopia

53.7032, 52.6139, 101.9328



Tritanopia

43.3275, 52.5463, 75.5690

Trichromacy



Original Color

48.6637, 52.6415, 102.2037

Protanomaly

51.1625, 52.3457, 98.6740

Deuteranomaly

51.5976, 52.4963, 102.0211

Tritanomaly

45.2675, 52.6430, 84.8661

Monochromacy



Original Color

48.6637, 52.6415, 102.2037

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 48.6637, 52.6415, 102.2037 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(139, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 197, 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(139, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 197, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.6637, 52.6415, 102.2037 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(139, 197, 255) }
```


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

```
.border{ border-color:rgb(139, 197, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 197,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6637, 52.6415, 102.2037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 197, 255) }
```

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

```
.background{ background-color: rgb(139,  
197, 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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