

Converting Colors

XYZ(55.7768, 55.1390,
141.8937)

Have a look what the booklet for
XYZ(55.7768, 55.1390, 141.8937)
contains.

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Color

**XYZ(48.2712, 52.1031,
102.1205)**

Conversions

Conversions Part 1

Format	Color
Hex	8AC4FF
RGB	138, 196, 255
RGB Percent	54%, 77%, 100%
CMY	0.4588, 0.2314, 0.0000
CMYK	0.46, 0.23, 0.00, 0.00
HSL	210°, 100%, 77%
HSV	210°, 46%, 100%
XYZ	48.2712, 52.1031, 102.1205
YIQ	185.3840, -53.5070, 6.0530

Conversions

Conversions Part 2

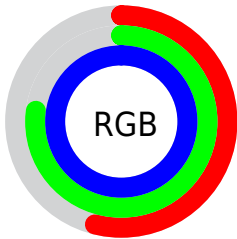
Format	Color
RYB	138, 177, 255
Decimal	9094399
CIELab	77.34, -3.42, -34.84
CIELCh	77, 35.003, 264.397
Yxy	52.1031, 0.2384, 0.2573
Android (android.graphics.Color)	4287284479 (0xFF8AC4FF)
YUV	185.3840, 34.3207, -41.5558
Hunter-Lab	72.1825, -6.9495, -33.3531

Details

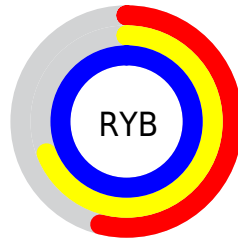
The XYZ color **48.2712, 52.1031, 102.1205** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.7947, 63.0289, 32.7449**, and the grayscale version is **46.1655, 48.5697, 52.8924**.

A 20% lighter version of the original color is **75.6254, 88.5766, 107.7188**, and **23.1743, 25.1287, 57.0550** is the 20% darker color. If you saturate the color by 10%, you get **41.7598, 44.6244, 101.0201**, and if you desaturate by 10%, it is **56.0246, 60.5932, 103.3506**.

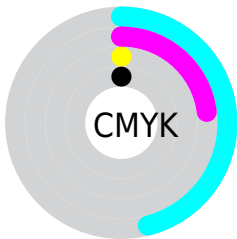
Distribution



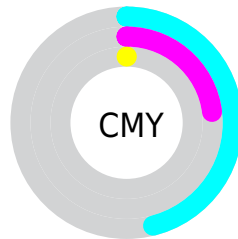
- Red (54%)
- Green (77%)
- Blue (100%)



- Red (54%)
- Yellow (69%)
- Blue (100%)



- Cyan (46%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2712, 52.1031, 102.1205 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 48.2712, 52.1031, 102.1205 by changing the saturation by 10% instead.

■ 48.2712, 52.1031,
102.1205

■ 48.2712, 52.1031,
102.1205

370.4308,
394.8345, 588.2746

■ 34.2538, 37.0873,
77.4459

■ 86.8153, 93.2833,
166.1454

■ 23.2525, 25.2751,
57.1052

■ 112.0728,
120.2164, 206.3328

■ 14.9018, 16.2821,
40.6798

141.8077,
151.8907, 252.5283

■ 8.8363, 9.7240,
27.7511

176.3853,
188.6907, 305.1503

■ 4.6908, 5.2163,
17.9007

216.1711,
231.0006, 364.6174

■ 2.0999, 2.3748,
10.7100

261.5304,

■ 0.6892, 0.8129,

279.2050, 431.3481

5.7605

312.8285,
333.6882, 505.7610

■ 0.0000, 0.0000,
2.6336

■ 0.0000, 0.0000,
0.9097

■ 48.2712, 52.1031,
102.1205

■ 48.2712, 52.1031,
102.1205

■ 41.7598, 44.6244,
101.0201

■ 56.0246, 60.5932,
103.3506

■ 36.4092, 38.1030,
100.0434

■ 65.0849, 70.1339,
104.7146

■ 32.1349, 32.4866,
99.1846

■ 75.5176, 80.7687,
106.2175

■ 28.8371, 27.7140,
98.4372

■ 87.3822, 92.5365,
107.8635

■ 26.3933, 23.7113, 95.0500, 100.0000,
97.7934 108.9000

■ 25.5635, 22.2469,
97.5545

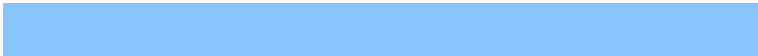
Harmonies

Analogous

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



42.3726, 52.1031, 92.4645



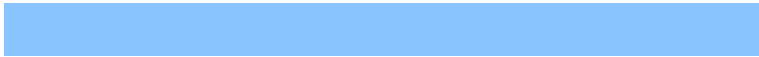
48.2712, 52.1031, 102.1205



55.0554, 52.1031, 97.5606

Triad

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



48.2712, 52.1031, 102.1205



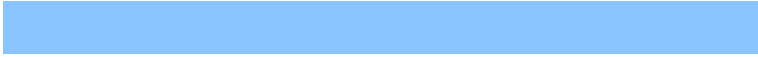
62.2506, 52.1031, 42.7740



39.7393, 52.1031, 37.7952

Complementary

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



48.2712, 52.1031, 102.1205



65.7947, 63.0289, 32.7449

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.



44.3732, 52.1031, 29.2568



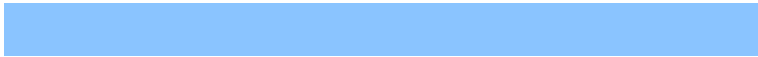
48.2712, 52.1031, 102.1205



57.4345, 52.1031, 31.6430

Square

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



48.2712, 52.1031, 102.1205



63.5316, 52.1031, 60.4228



50.7951, 52.1031, 27.2906



37.7407, 52.1031, 53.1936

Rectangle

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



48.2712, 52.1031, 102.1205



59.1267, 52.1031, 87.5030



50.7951, 52.1031, 27.2906



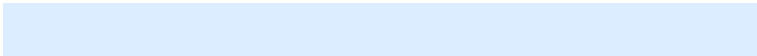
41.0189, 52.1031, 34.1801

Sweetspot

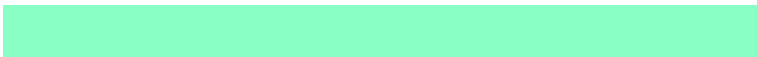
The Sweet Spot groups the original color and five complimentary colors.



48.2728, 52.1050, 102.1208



77.6372, 82.8936, 106.5159



56.2633, 80.9322, 65.1812



16.0978, 17.2214, 22.7256



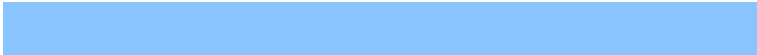
0.0000, 0.0000, 0.0000



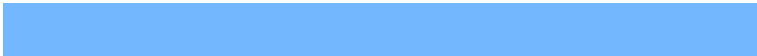
20.3446, 21.4041, 23.3091

Same Dimension

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



48.2728, 52.1050, 102.1208



42.2852, 45.2436, 101.1120



37.6215, 30.8023, 98.5703



17.7468, 18.8652, 22.9559



13.5064, 11.9225, 51.0240



1.4242, 1.3791, 5.0044

Inverse Universe

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



60.2934, 43.4242, 57.4302



56.0229, 36.9368, 49.6759



81.5879, 94.6151, 38.0093



18.3848, 18.1372, 20.6437



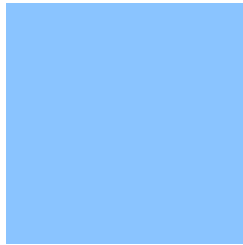
23.6056, 11.9315, 11.8396



2.3535, 1.1838, 1.4428

Previews

White Background



This preview shows how the XYZ color 48.2712, 52.1031, 102.1205 looks on a white background.

Color Contrast Check

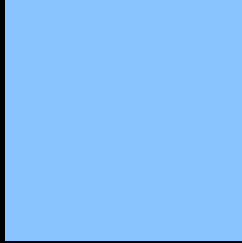
Large Text (above 18pt) WCAG AA × Fail

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 48.2712, 52.1031, 102.1205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

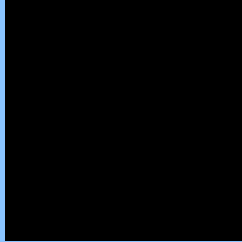
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

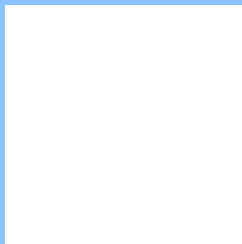
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.2712, 52.1031, 102.1205

Background



This preview shows how black text looks on a background with the XYZ color 48.2712, 52.1031, 102.1205.



This preview shows how white text looks on a background with the XYZ color 48.2712, 52.1031,

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

48.2712, 52.1031, 102.1205

Protanopia

52.5377, 51.8047, 96.8528

Deuteranopia

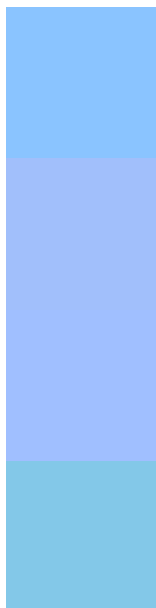
53.0465, 51.9571, 101.8406



Tritanopia

42.8945, 52.3384, 74.8594

Trichromacy



Original Color

48.2712, 52.1031, 102.1205

Protanomaly

50.7413, 51.8037, 98.5915

Deuteranomaly

51.1780, 51.9552, 101.9387

Tritanomaly

44.5798, 51.9600, 84.0236

Monochromacy



Original Color

48.2712, 52.1031, 102.1205

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.9789, 49.3732, 68.0794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2712, 52.1031, 102.1205 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(138, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 196, 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(138, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.2712, 52.1031, 102.1205 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(138, 196, 255) }
```


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

```
.border{ border-color:rgb(138, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 196,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2712, 52.1031, 102.1205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 196, 255) }
```

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

```
.background{ background-color: rgb(138,  
196, 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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