

Converting Colors

XYZ(48.1267, 52.2882, 96.6350)

Have a look what the booklet for
XYZ(48.1267, 52.2882, 96.6350)
contains.

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Color

**XYZ(48.0109, 52.0968,
96.3322)**

Conversions

Conversions Part 1

Format	Color
Hex	8FC4F8
RGB	143, 196, 248
RGB Percent	56%, 77%, 97%
CMY	0.4392, 0.2314, 0.0274
CMYK	0.42, 0.21, 0.00, 0.03
HSL	210°, 88%, 77%
HSV	210°, 42%, 97%
XYZ	48.0109, 52.0968, 96.3322
YIQ	186.0810, -48.2800, 4.9360

Conversions

Conversions Part 2

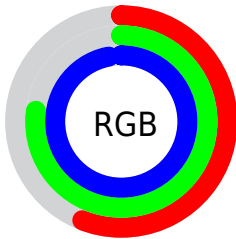
Format	Color
R _Y B	143, 178, 248
Decimal	9422072
CIE Lab	77.34, -4.12, -31.07
CIE LCh	77, 31.343, 262.447
Yxy	52.0968, 0.2444, 0.2652
Android (android.graphics.Color)	4287612152 (0xFF8FC4F8)
YUV	186.0810, 30.5261, -37.7820
Hunter-Lab	72.1781, -7.5784, -28.6065

Details

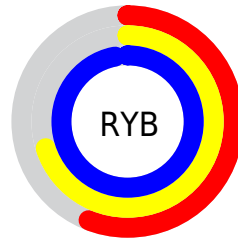
The XYZ color **48.0109, 52.0968, 96.3322** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.1858, 60.9714, 34.4268**, and the grayscale version is **46.5727, 48.9981, 53.3590**.

A 20% lighter version of the original color is **76.6798, 89.1202, 107.7682**, and **23.0075, 25.1338, 52.9289** is the 20% darker color. If you saturate the color by 10%, you get **41.5252, 44.8086, 95.2682**, and if you desaturate by 10%, it is **55.6758, 60.3317, 97.5187**.

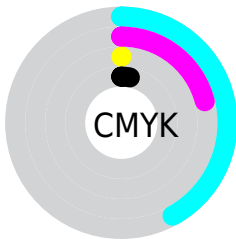
Distribution



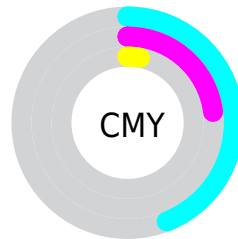
- Red (56%)
- Green (77%)
- Blue (97%)



- Red (56%)
- Yellow (70%)
- Blue (97%)



- Cyan (42%)
- Magenta (21%)
- Yellow (0%)
- Black (3%)



- Cyan (44%)
- Magenta (23%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0109, 52.0968, 96.3322 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 48.0109, 52.0968, 96.3322 by changing the saturation by 10% instead.

■ 48.0109, 52.0968,
96.3322

■ 48.0109, 52.0968,
96.3322

369.4172,
394.8102, 569.5141

■ 34.0468, 37.0822,
72.6413

■ 86.4302, 93.2740,
158.1152

■ 23.0926, 25.2712,
53.1926

■ 111.6162,
120.2054, 197.0443

■ 14.7830, 16.2792,
37.5678

141.2735,
151.8779, 241.8899

■ 8.7525, 9.7219,
25.3482

175.7674,
188.6758, 293.0706

■ 4.6359, 5.2150,
16.1153

215.4634,
230.9836, 351.0047

■ 2.0678, 2.3739,
9.4505

260.7268,

■ 0.6716, 0.8124,

279.1857, 416.1110

4.9354

311.9230,
333.6664, 488.8079

■ 0.0000, 0.0000,
2.1513

■ 0.0000, 0.0000,
0.6461

■ 48.0109, 52.0968,
96.3322

■ 48.0109, 52.0968,
96.3322

■ 41.5252, 44.8086,
95.2682

■ 55.6758, 60.3317,
97.5187

■ 36.1448, 38.4178,
94.3183

■ 64.5775, 69.5475,
98.8283

■ 31.7950, 32.8787,
93.4784

■ 74.7754, 79.7836,
100.2666

■ 28.3882, 28.1373,
92.7427

■ 86.3239, 91.0749,
101.8374

■ 25.8195, 24.1307,
92.1048

■ 93.9435, 99.5574,
103.0731

■ 24.3002, 21.4908,
91.6753

Harmonies

Analogous

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



42.7926, 52.0968, 87.2664



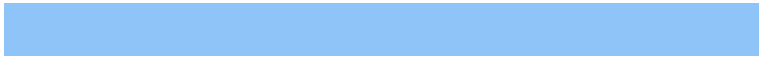
48.0109, 52.0968, 96.3322



54.0681, 52.0968, 93.2014

Triad

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



48.0109, 52.0968, 96.3322



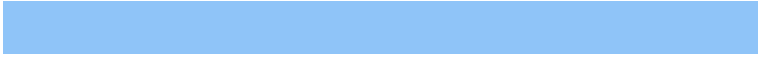
61.0009, 52.0968, 44.9871



40.8967, 52.0968, 38.8271

Complementary

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



48.0109, 52.0968, 96.3322



63.1858, 60.9714, 34.4268

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.



45.2277, 52.0968, 31.2755



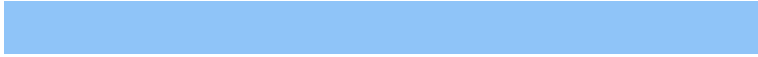
48.0109, 52.0968, 96.3322



56.9101, 52.0968, 34.2970

Square

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



48.0109, 52.0968, 96.3322



61.8976, 52.0968, 61.1932



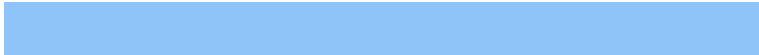
51.0531, 52.0968, 29.8040



38.9073, 52.0968, 52.4789

Rectangle

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



48.0109, 52.0968, 96.3322



57.7449, 52.0968, 84.8640



51.0531, 52.0968, 29.8040



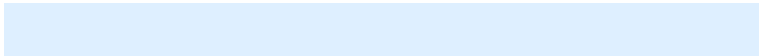
42.1093, 52.0968, 35.6145

Sweetspot

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



48.0126, 52.0988, 96.3334



78.8728, 84.2150, 106.7058



54.6061, 76.8595, 62.8509



16.3465, 17.4927, 22.7648



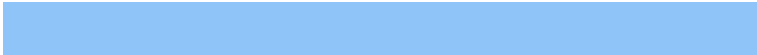
0.0000, 0.0000, 0.0000



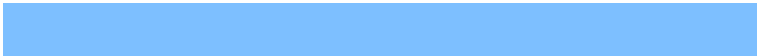
20.3446, 21.4041, 23.3091

Same Dimension

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



48.0126, 52.0988, 96.3334



45.0427, 48.6613, 101.6263



38.3599, 32.7933, 93.1159



17.0072, 18.0911, 21.9809



13.2675, 11.8905, 49.5694



1.3349, 1.3134, 4.6263

Inverse Universe

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



58.4992, 43.5887, 57.5567



57.9267, 39.6583, 53.6585



76.7023, 88.0045, 38.9324



17.6101, 17.3714, 19.8028



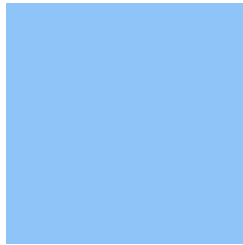
22.9888, 11.6113, 11.9155



2.1827, 1.0968, 1.3855

Previews

White Background



This preview shows how the XYZ color 48.0109, 52.0968, 96.3322 looks on a white background.

Color Contrast Check

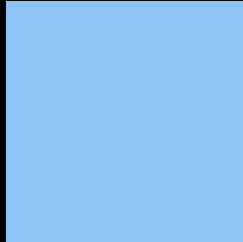
Large Text (above 18pt) WCAG AA × Fail

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 48.0109, 52.0968, 96.3322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

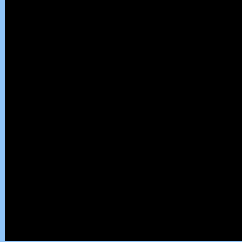
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

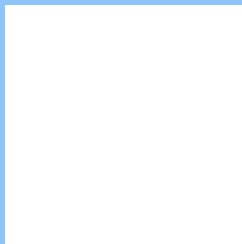
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0109, 52.0968, 96.3322

Background



This preview shows how black text looks on a background with the XYZ color 48.0109, 52.0968, 96.3322.



This preview shows how white text looks on a background with the XYZ color 48.0109, 52.0968,

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

48.0109, 52.0968, 96.3322

Protanopia

52.1417, 51.7244, 91.2400

Deuteranopia

53.1571, 51.7899, 97.6372



Tritanopia

43.5332, 51.9861, 74.0696

Trichromacy



Original Color

48.0109, 52.0968, 96.3322

Protanomaly

50.4770, 51.7926, 92.9245

Deuteranomaly

51.0294, 51.6658, 96.9055

Tritanomaly

45.0475, 51.9073, 81.7736

Monochromacy



Original Color

48.0109, 52.0968, 96.3322

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4996, 49.9764, 67.5172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0109, 52.0968, 96.3322 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(143, 196, 248)` looks like.

```
.text, #text, p{  
    color:rgb(143, 196, 248)  
}
```

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(143, 196, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 196, 248) }
```

Border

The CSS property to change the border of an element to XYZ 48.0109, 52.0968, 96.3322 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(143, 196, 248) }
```


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

```
.border{ border-color:rgb(143, 196, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 196, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 196, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 196, 248);  
box-shadow:4px 4px 4px 4px rgb(143, 196,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0109, 52.0968, 96.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 196, 248) }
```

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

```
.background{ background-color: rgb(143,  
196, 248) }
```

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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