

Converting Colors

XYZ(48.8315, 53.1651, 94.6002)

Have a look what the booklet for
XYZ(48.8315, 53.1651, 94.6002)
contains.

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Color

**XYZ(48.8613, 53.2450,
94.8908)**

Conversions

Conversions Part 1

Format	Color
Hex	93C6F6
RGB	147, 198, 246
RGB Percent	58%, 78%, 96%
CMY	0.4235, 0.2235, 0.0353
CMYK	0.40, 0.20, 0.00, 0.04
HSL	209°, 85%, 77%
HSV	209°, 40%, 96%
XYZ	48.8613, 53.2450, 94.8908
YIQ	188.2230, -45.8040, 4.1160

Conversions

Conversions Part 2

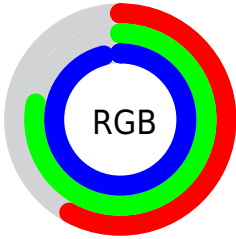
Format	Color
RYB	147, 181, 246
Decimal	9684726
CIELab	78.02, -4.72, -28.93
CIELCh	78, 29.317, 260.742
Yxy	53.2450, 0.2480, 0.2703
Android (android.graphics.Color)	4287874806 (0xFF93C6F6)
YUV	188.2230, 28.4841, -36.1526
Hunter-Lab	72.9692, -8.1697, -26.0237

Details

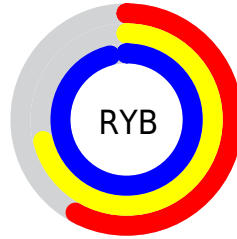
The XYZ color **48.8613, 53.2450, 94.8908** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.7890, 60.7312, 36.0187**, and the grayscale version is **47.7900, 50.2788, 54.7536**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **23.5819, 25.8884, 52.4693** is the 20% darker color. If you saturate the color by 10%, you get **42.2931, 45.9709, 93.8339**, and if you desaturate by 10%, it is **56.5908, 61.4388, 96.0659**.

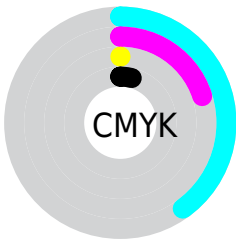
Distribution



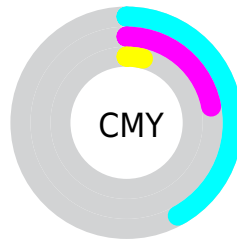
- Red (58%)
- Green (78%)
- Blue (96%)



- Red (58%)
- Yellow (71%)
- Blue (96%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)
- Black (4%)



- Cyan (42%)
- Magenta (22%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8613, 53.2450, 94.8908 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 48.8613, 53.2450, 94.8908 by changing the saturation by 10% instead.

■ 48.8613, 53.2450,
94.8908

■ 48.8613, 53.2450,
94.8908

372.7221,
399.2244, 564.7907

■ 34.7235, 37.9984,
71.4477

■ 87.6874, 94.9648,
156.1080

■ 23.6155, 25.9814,
52.2236

■ 113.1064,
122.2067, 194.7192

■ 15.1718, 16.8098,
36.7998

143.0166,
154.2160, 239.2235

■ 9.0272, 10.0989,
24.7580

177.7833,
191.3768, 290.0395

■ 4.8162, 5.4646,
15.6795

217.7718,
234.0737, 347.5857

■ 2.1735, 2.5224,
9.1457

263.3475,

■ 0.7287, 0.8878,

282.6909, 412.2806

4.7382

314.8758,
337.6131, 484.5427

■ 0.0000, 0.0000,
2.0385

■ 0.0000, 0.0000,
0.5788

■ 48.8613, 53.2450,
94.8908

■ 48.8613, 53.2450,
94.8908

■ 42.2931, 45.9709,
93.8339

■ 56.5908, 61.4388,
96.0659

■ 36.8155, 39.5693,
92.8870

■ 65.5366, 70.5842,
97.3597

■ 32.3573, 33.9971,
92.0464

■ 75.7559, 80.7188,
98.7772

■ 28.8357, 29.2038,
91.3068

■ 87.3008, 91.8760,
100.3223

■ 26.1527, 25.1306,
90.6620

■ 93.6347, 99.4339,
101.4473

■ 24.1891, 21.7626,
90.1154

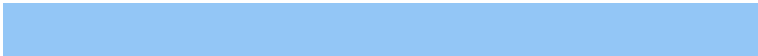
Harmonies

Analogous

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



43.9709, 53.2450, 85.9000



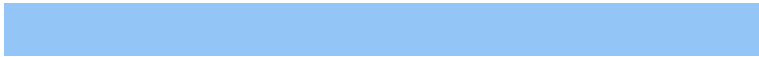
48.8613, 53.2450, 94.8908



54.5980, 53.2450, 92.6463

Triad

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



48.8613, 53.2450, 94.8908



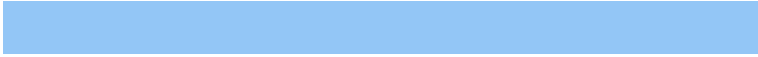
61.5895, 53.2450, 47.5331



42.5710, 53.2450, 40.2610

Complementary

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



48.8613, 53.2450, 94.8908



62.7890, 60.7312, 36.0187

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.



46.8168, 53.2450, 33.2535



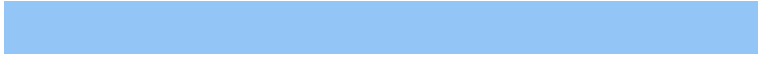
48.8613, 53.2450, 94.8908



57.8810, 53.2450, 36.8707

Square

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



48.8613, 53.2450, 94.8908



62.2401, 53.2450, 63.1839



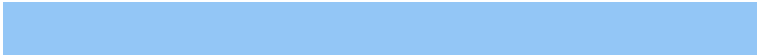
52.3954, 53.2450, 32.1415



40.5233, 53.2450, 53.0601

Rectangle

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



48.8613, 53.2450, 94.8908



58.1197, 53.2450, 85.2212



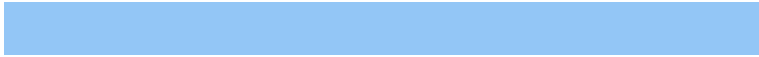
52.3954, 53.2450, 32.1415



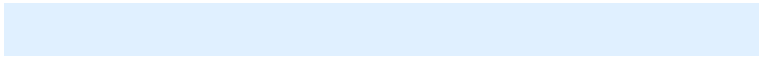
43.7727, 53.2450, 37.2593

Sweetspot

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



48.8630, 53.2470, 94.8921



80.1229, 85.5479, 106.8972



54.8233, 76.0492, 63.3322



16.8288, 17.9949, 22.8363



0.0000, 0.0000, 0.0000



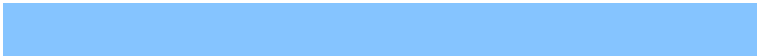
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8630, 53.2470, 94.8921



47.3220, 51.4984, 102.0538



39.3611, 34.2432, 91.7247



16.2872, 17.3387, 21.0308



13.0523, 11.8983, 48.1467



1.2501, 1.2516, 4.2659

Inverse Universe

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



58.6343, 44.5393, 58.9346



59.4974, 41.8956, 56.9697



75.7297, 86.6127, 40.3323



16.8555, 16.6251, 18.9859



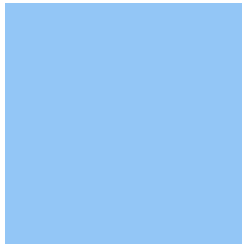
22.3927, 11.3005, 12.0422



2.0200, 1.0140, 1.3319

Previews

White Background



This preview shows how the XYZ color 48.8613, 53.2450, 94.8908 looks on a white background.

Color Contrast Check

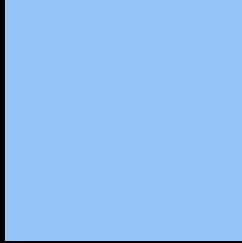
Large Text (above 18pt) WCAG AA × Fail

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 48.8613, 53.2450, 94.8908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

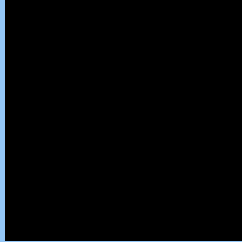
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

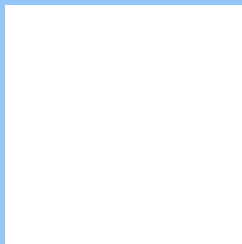
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8613, 53.2450, 94.8908

Background



This preview shows how black text looks on a background with the XYZ color 48.8613, 53.2450, 94.8908.



This preview shows how white text looks on a background with the XYZ color 48.8613, 53.2450,

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

48.8613, 53.2450, 94.8908

Protanopia

52.9640, 52.8215, 89.8421

Deuteranopia

54.1969, 52.9963, 96.1798



Tritanopia

44.9573, 53.4018, 74.9559

Trichromacy



Original Color

48.8613, 53.2450, 94.8908

Protanomaly

51.2454, 52.8756, 91.5095

Deuteranomaly

52.0003, 52.8497, 95.4560

Tritanomaly

46.3572, 53.2701, 81.9676

Monochromacy



Original Color

48.8613, 53.2450, 94.8908

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.5918, 51.1870, 67.6933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8613, 53.2450, 94.8908 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(147, 198, 246)` looks like.

```
.text, #text, p{  
    color:rgb(147, 198, 246)  
}
```

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(147, 198, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 198, 246) }
```

Border

The CSS property to change the border of an element to XYZ 48.8613, 53.2450, 94.8908 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(147, 198, 246) }
```


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

```
.border{ border-color:rgb(147, 198, 246) }
```

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

Here you see how a box with a 4 pixel rgb(147, 198, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 198, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 198, 246);  
box-shadow:4px 4px 4px 4px rgb(147, 198,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8613, 53.2450, 94.8908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 198, 246) }
```

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

```
.background{ background-color: rgb(147,  
198, 246) }
```

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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