

Converting Colors

XYZ(48.9844, 53.8846, 96.3017)

Have a look what the booklet for
XYZ(48.9844, 53.8846, 96.3017)
contains.

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Color

**XYZ(49.0992, 54.0152,
96.6451)**

Conversions

Conversions Part 1

Format	Color
Hex	90C8F8
RGB	144, 200, 248
RGB Percent	56%, 78%, 97%
CMY	0.4353, 0.2157, 0.0274
CMYK	0.42, 0.19, 0.00, 0.03
HSL	208°, 88%, 77%
HSV	208°, 42%, 97%
XYZ	49.0992, 54.0152, 96.6451
YIQ	188.7280, -48.7840, 3.0560

Conversions

Conversions Part 2

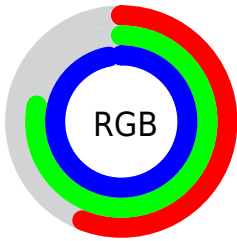
Format	Color
RYB	144, 180, 248
Decimal	9488632
CIELab	78.47, -6.01, -29.33
CIELCh	78, 29.937, 258.415
Yxy	54.0152, 0.2458, 0.2704
Android (android.graphics.Color)	4287678712 (0xFF90C8F8)
YUV	188.7280, 29.2211, -39.2265
Hunter-Lab	73.4950, -9.3673, -26.5191

Details

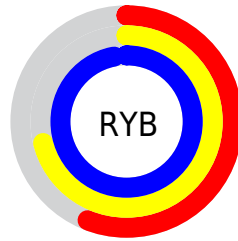
The XYZ color **49.0992, 54.0152, 96.6451** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.5964, 59.6708, 34.6059**, and the grayscale version is **48.0744, 50.5780, 55.0795**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **23.7074, 26.3941, 53.1353** is the 20% darker color. If you saturate the color by 10%, you get **42.6819, 46.9189, 95.6146**, and if you desaturate by 10%, it is **56.6699, 62.0030, 97.7889**.

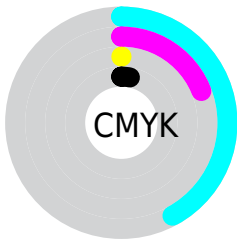
Distribution



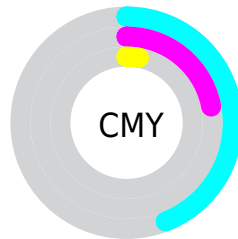
- Red (56%)
- Green (78%)
- Blue (97%)



- Red (56%)
- Yellow (71%)
- Blue (97%)



- Cyan (42%)
- Magenta (19%)
- Yellow (0%)
- Black (3%)



- Cyan (44%)
- Magenta (22%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0992, 54.0152, 96.6451 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 49.0992, 54.0152, 96.6451 by changing the saturation by 10% instead.

■ 49.0992, 54.0152,
96.6451

■ 49.0992, 54.0152,
96.6451

373.6432,
402.1680, 570.5366

■ 34.9130, 38.6138,
72.9005

■ 88.0386, 96.0966,
158.5505

■ 23.7621, 26.4594,
53.4033

■ 113.5226,
123.5453, 197.5484

■ 15.2810, 17.1677,
37.7349

143.5032,
155.7787, 242.4678

■ 9.1044, 10.3541,
25.4768

178.3457,
193.1810, 293.7273

■ 4.8670, 5.6344,
16.2104

218.4157,
236.1367, 351.7454

■ 2.2034, 2.6241,
9.5172

264.0783,

■ 0.7445, 0.9388,

285.0302, 416.9406

4.9786

315.6991,
340.2458, 489.7315

■ 0.0000, 0.0000,
2.1762

■ 0.0000, 0.0000,
0.6606

■ 49.0992, 54.0152,
96.6451

■ 49.0992, 54.0152,
96.6451

■ 42.6819, 46.9189,
95.6146

■ 56.6699, 62.0030,
97.7889

■ 37.3453, 40.6668,
94.6891

■ 65.4501, 70.9141,
99.0461

■ 33.0162, 35.2157,
93.8651

■ 75.4984, 80.7857,
100.4219

■ 29.6089, 30.5145,
93.1372

■ 86.8677, 91.6511,
101.9199

■ 27.0205, 26.5030,
92.4994

■ 93.9435, 99.5574,
103.0731

■ 25.4052, 23.7008,
92.0436

Harmonies

Analogous

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



44.1849, 54.0152, 86.5567



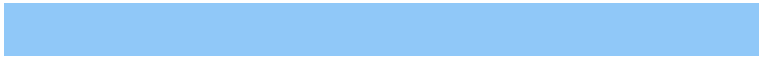
49.0992, 54.0152, 96.6451



55.0005, 54.0152, 95.2595

Triad

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



49.0992, 54.0152, 96.6451



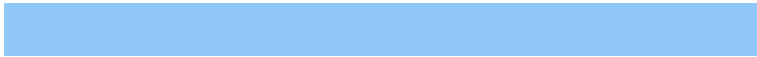
62.8502, 54.0152, 49.1525



43.3275, 54.0152, 39.8080

Complementary

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



49.0992, 54.0152, 96.6451



62.5964, 59.6708, 34.6059

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.



47.8453, 54.0152, 33.0985



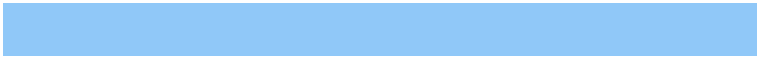
49.0992, 54.0152, 96.6451



59.2282, 54.0152, 37.7392

Square

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



49.0992, 54.0152, 96.6451



63.2505, 54.0152, 65.5694



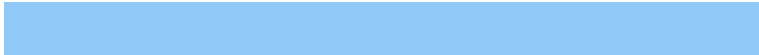
53.6476, 54.0152, 32.4216



41.0269, 54.0152, 52.5381

Rectangle

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



49.0992, 54.0152, 96.6451



58.7018, 54.0152, 88.0576



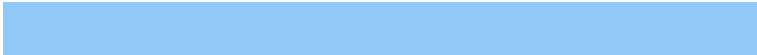
53.6476, 54.0152, 32.4216



44.6206, 54.0152, 36.8876

Sweetspot

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



49.1010, 54.0173, 96.6464



79.2002, 84.8697, 106.8149



54.4525, 76.8182, 61.1342



16.4273, 17.6542, 22.7917



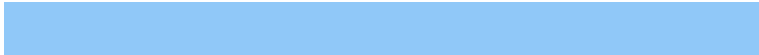
0.0000, 0.0000, 0.0000



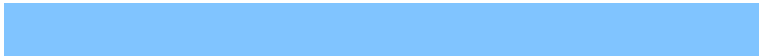
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1010, 54.0173, 96.6464



46.6519, 51.3201, 102.0547



39.2257, 34.2668, 93.3546



17.0573, 18.1913, 21.9976



13.8658, 13.0871, 49.7688



1.3903, 1.4243, 4.6448

Inverse Universe

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



59.1115, 44.0749, 60.0375



58.8755, 40.5608, 57.0428



75.7374, 85.9528, 38.9862



17.6354, 17.3815, 19.9360



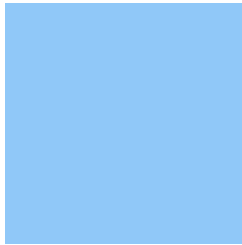
23.2908, 11.7321, 13.5058



2.2107, 1.1080, 1.5328

Previews

White Background



This preview shows how the XYZ color 49.0992, 54.0152, 96.6451 looks on a white background.

Color Contrast Check

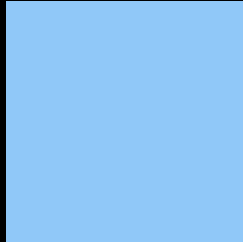
Large Text (above 18pt) WCAG AA × Fail

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 49.0992, 54.0152, 96.6451 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

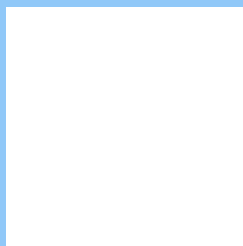
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0992, 54.0152, 96.6451

Background



This preview shows how black text looks on a background with the XYZ color 49.0992, 54.0152, 96.6451.



This preview shows how white text looks on a background with the XYZ color 49.0992, 54.0152,

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

49.0992, 54.0152, 96.6451

Protanopia

53.7139, 53.4962, 91.4992

Deuteranopia

54.9602, 53.6741, 97.9059



Tritanopia

45.1990, 54.2015, 76.4863

Trichromacy



Original Color

49.0992, 54.0152, 96.6451

Protanomaly

51.7694, 53.4401, 93.1744

Deuteranomaly

52.5391, 53.7480, 97.2278

Tritanomaly

46.5950, 54.0568, 83.5795

Monochromacy



Original Color

49.0992, 54.0152, 96.6451

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.9364, 51.6773, 68.4210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0992, 54.0152, 96.6451 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(144, 200, 248)` looks like.

```
.text, #text, p{  
    color:rgb(144, 200, 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(144, 200, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 200, 248) }
```

Border

The CSS property to change the border of an element to XYZ 49.0992, 54.0152, 96.6451 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(144, 200, 248) }
```


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

```
.border{ border-color:rgb(144, 200, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 200, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 200, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 200, 248); box-shadow:4px 4px 4px 4px rgb(144, 200, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0992, 54.0152, 96.6451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 200, 248) }
```

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

```
.background{ background-color: rgb(144,  
200, 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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