

Converting Colors

XYZ(49.5244, 49.4336, 90.9358)

Have a look what the booklet for
XYZ(49.5244, 49.4336, 90.9358)
contains.

XYZ(49.5244, 49.4336, 90.9358)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.5244, 49.4336,
90.9358)**

Conversions

Conversions Part 1

Format	Color
Hex	A8B9F2
RGB	168, 185, 242
RGB Percent	66%, 73%, 95%
CMY	0.3412, 0.2745, 0.0510
CMYK	0.31, 0.24, 0.00, 0.05
HSL	226°, 74%, 80%
HSV	226°, 31%, 95%
XYZ	49.5244, 49.4336, 90.9358
YIQ	186.4150, -28.4290, 14.1230

Conversions

Conversions Part 2

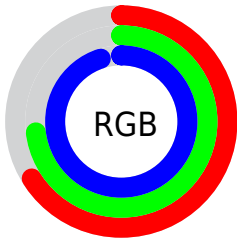
Format	Color
R _Y B	168, 182, 242
Decimal	11057650
CIE Lab	75.72, 7.00, -30.21
CIE LCh	76, 31.007, 283.042
Yxy	49.4336, 0.2608, 0.2603
Android (android.graphics.Color)	4289247730 (0xFFA8B9F2)
YUV	186.4150, 27.4034, -16.1500
Hunter-Lab	70.3090, 2.6913, -27.4678

Details

The XYZ color **49.5244, 49.4336, 90.9358** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **70.6118, 75.5554, 47.9093**, and the grayscale version is **46.7686, 49.2042, 53.5834**.

A 20% lighter version of the original color is **80.5566, 86.1381, 106.9883**, and **24.0536, 23.6251, 49.7467** is the 20% darker color. If you saturate the color by 10%, you get **41.1968, 39.7272, 89.5021**, and if you desaturate by 10%, it is **59.3252, 60.6606, 92.5871**.

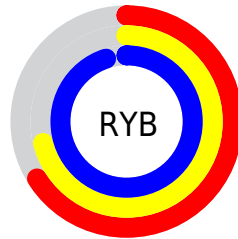
Distribution



Red (66%)

Green (73%)

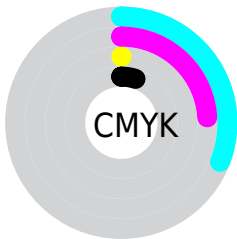
Blue (95%)



Red (66%)

Yellow (71%)

Blue (95%)

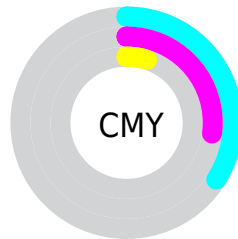


Cyan (31%)

Magenta (24%)

Yellow (0%)

Black (5%)



Cyan (34%)

Magenta (27%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5244, 49.4336, 90.9358 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 49.5244, 49.4336, 90.9358 by changing the saturation by 10% instead.

■ 49.5244, 49.4336,
90.9358

■ 49.5244, 49.4336,
90.9358

375.2859,
384.4468, 551.7187

■ 35.2519, 34.9636,
68.1790

■ 88.6659, 89.3351,
150.5844

■ 24.0244, 23.6348,
49.5758

114.2655,
115.5354, 188.3133

■ 15.4766, 15.0629,
34.7076

144.3716,
146.4145, 231.8700

■ 9.2430, 8.8636,
23.1560

179.3495,
182.3569, 281.6730

■ 4.9584, 4.6523,
14.5023

219.5645,
223.7469, 338.1408

■ 2.2574, 2.0447,
8.3281

265.3820,

■ 0.7727, 0.6333,

270.9690, 401.6920

4.2149

317.1674,
324.4075, 472.7451

■ 0.0000, 0.0000,
1.7439

■ 0.0000, 0.0000,
0.3906

■ 49.5244, 49.4336,
90.9358

■ 49.5244, 49.4336,
90.9358

■ 41.1968, 39.7272,
89.5021

■ 59.3252, 60.6606,
92.5871

■ 34.2645, 31.4687,
88.2734

■ 70.6622, 73.4650,
94.4611

■ 28.6496, 24.5878,
87.2412

■ 83.6005, 87.9078,
96.5669

■ 24.2644, 19.0058,
86.3948

■ 93.0272, 99.1909,
98.2479

■ 21.0096, 14.6354,
85.7228

■ 18.7692, 11.3771,
85.2120

■ 17.4220, 9.2005,
84.8629

Harmonies

Analogous

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



43.8340, 49.4336, 90.1440



49.5244, 49.4336, 90.9358



54.9418, 49.4336, 80.4384

Triad

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



49.5244, 49.4336, 90.9358



55.5367, 49.4336, 34.9780



37.1842, 49.4336, 45.1085

Complementary

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



49.5244, 49.4336, 90.9358



70.6118, 75.5554, 47.9093

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.



39.8363, 49.4336, 33.8429



49.5244, 49.4336, 90.9358



50.2838, 49.4336, 28.8652

Square

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



49.5244, 49.4336, 90.9358



58.5989, 49.4336, 46.9913



44.5342, 49.4336, 28.4972



37.0172, 49.4336, 61.2906

Rectangle

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



49.5244, 49.4336, 90.9358



57.5439, 49.4336, 69.4912



44.5342, 49.4336, 28.4972



37.8041, 49.4336, 40.7099

Sweetspot

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



49.5260, 49.4355, 90.9369



81.7226, 85.1396, 106.7341



61.4560, 77.2518, 82.7167



17.0608, 17.7398, 22.7749



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.



49.5260, 49.4355, 90.9369



49.4724, 48.3505, 101.3328



50.7044, 45.0751, 90.0332



15.1919, 15.8179, 19.9741



9.4443, 5.1127, 45.6170



0.8588, 0.5715, 3.8193

Inverse Universe

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



59.3789, 50.3868, 52.4970



62.4011, 50.0185, 50.7987



69.0271, 81.9042, 49.2183



15.9215, 15.8183, 17.1431



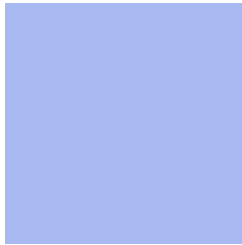
20.0926, 10.3095, 3.1385



1.7084, 0.8724, 0.4554

Previews

White Background



This preview shows how the XYZ color 49.5244, 49.4336, 90.9358 looks on a white background.

Color Contrast Check

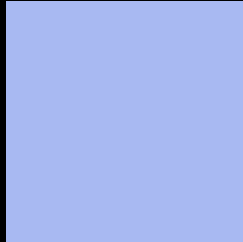
Large Text (above 18pt) WCAG AA × Fail

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 49.5244, 49.4336, 90.9358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

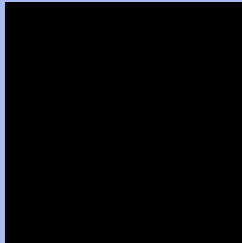
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5244, 49.4336, 90.9358

Background



This preview shows how black text looks on a background with the XYZ color 49.5244, 49.4336, 90.9358.



This preview shows how white text looks on a background with the XYZ color 49.5244, 49.4336,

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

49.5244, 49.4336, 90.9358

Protanopia

49.8123, 49.2898, 90.1076

Deuteranopia

50.4161, 49.2764, 90.8585



Tritanopia

44.3905, 49.2402, 66.1962

Trichromacy



Original Color

49.5244, 49.4336, 90.9358

Protanomaly

49.5952, 49.1779, 90.0974

Deuteranomaly

50.1808, 49.4624, 90.9068

Tritanomaly

46.2201, 49.3490, 74.7994

Monochromacy



Original Color

49.5244, 49.4336, 90.9358

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.2899, 49.1577, 65.3885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5244, 49.4336, 90.9358 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(168, 185, 242)` looks like.

```
.text, #text, p{  
    color:rgb(168, 185, 242)  
}
```

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(168, 185, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 185, 242) }
```

Border

The CSS property to change the border of an element to XYZ 49.5244, 49.4336, 90.9358 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(168, 185, 242) }
```


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

```
.border{ border-color:rgb(168, 185, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 185, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 185, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 185, 242);  
box-shadow:4px 4px 4px 4px rgb(168, 185,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5244, 49.4336, 90.9358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 185, 242) }
```

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

```
.background{ background-color: rgb(168,  
185, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor