

Converting Colors

XYZ(24.5668, 24.9253, 69.1990)

Have a look what the booklet for
XYZ(24.5668, 24.9253, 69.1990)
contains.

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Color

**XYZ(24.5810, 24.9308,
69.1622)**

Conversions

Conversions Part 1

Format	Color
Hex	4A8BD9
RGB	74, 139, 217
RGB Percent	29%, 55%, 85%
CMY	0.7098, 0.4549, 0.1490
CMYK	0.66, 0.36, 0.00, 0.15
HSL	213°, 65%, 57%
HSV	213°, 66%, 85%
XYZ	24.5810, 24.9308, 69.1622
YIQ	128.4570, -63.7780, 10.4780

Conversions

Conversions Part 2

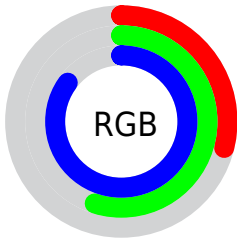
Format	Color
R_{YB}	74, 119, 217
Decimal	4885465
CIE _{Lab}	57.01, 3.87, -46.05
CIE _{LCh}	57, 46.209, 274.804
Yxy	24.9308, 0.2071, 0.2101
Android (android.graphics.Color)	4283075545 (0xFF4A8BD9)
YUV	128.4570, 43.6517, -47.7588
Hunter-Lab	49.9308, 0.4971, -47.1748

Details

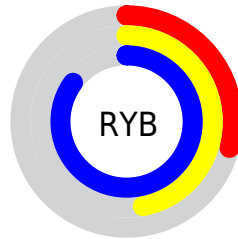
The XYZ color **24.5810, 24.9308, 69.1622** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle muted azure. A complement of this color would be **41.0812, 37.7051, 11.5926**, and the grayscale version is **20.5464, 21.6165, 23.5403**.

A 20% lighter version of the original color is **47.0530, 50.1535, 101.8084**, and **10.1778, 9.9210, 35.5609** is the 20% darker color. If you saturate the color by 10%, you get **21.5672, 20.9694, 68.5569**, and if you desaturate by 10%, it is **28.3583, 29.5620, 69.8576**.

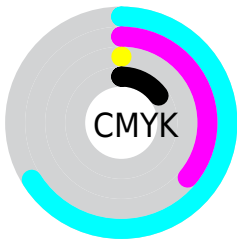
Distribution



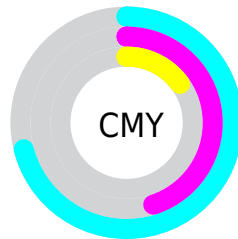
- Red (29%)
- Green (55%)
- Blue (85%)



- Red (29%)
- Yellow (47%)
- Blue (85%)



- Cyan (66%)
- Magenta (36%)
- Yellow (0%)
- Black (15%)



- Cyan (71%)
- Magenta (45%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5810, 24.9308, 69.1622 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 24.5810, 24.9308, 69.1622 by changing the saturation by 10% instead.

■ 24.5810, 24.9308,
69.1622

■ 24.5810, 24.9308,
69.1622

268.1311,
277.4931, 476.3123

■ 15.8922, 16.0255,
50.3712

■ 50.4245, 51.5449,
119.6831

■ 9.5383, 9.5422,
35.3352

■ 68.3099, 70.0226,
152.2501

■ 5.1538, 5.0965,
23.6356

■ 89.9915, 92.4598,
190.2462

■ 2.3735, 2.3040,
14.8538

■ 115.8348,
119.2409, 234.0900

■ 0.8319, 0.7758,
8.5714

146.2050,
150.7505, 284.1999

■ 0.0000, 0.0000,
4.3697

181.4676,

■ 0.0000, 0.0000,

187.3728, 340.9946

1.8303

221.9878,
229.4922, 404.8925

■ 0.0000, 0.0000,
0.4478

■ 0.0000, 0.0000,
0.0000

■ 24.5810, 24.9308,
69.1622

■ 24.5810, 24.9308,
69.1622

■ 21.5672, 20.9694,
68.5569

■ 28.3583, 29.5620,
69.8576

■ 19.2460, 17.6314,
68.0350

■ 32.9552, 34.8992,
70.6455

■ 17.5352, 14.8657,
67.5913

■ 38.4252, 40.9785,
71.5306

■ 16.9515, 13.8639,
67.4287

■ 44.8163, 47.8320,
72.5166

■ 52.1728, 55.4901,
73.6070

■ 60.5357, 63.9811,
74.8052

■ 69.9438, 73.3318,
76.1142

■ 80.4337, 83.5678,
77.5370

■ 86.5785, 91.8979,
78.8210

Harmonies

Analogous

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



19.5241, 24.9308, 64.1770



24.5810, 24.9308, 69.1622



30.1674, 24.9308, 59.8355

Triad

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



24.5810, 24.9308, 69.1622



33.3422, 24.9308, 13.4076



15.4500, 24.9308, 16.3039

Complementary

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



24.5810, 24.9308, 69.1622



41.0812, 37.7051, 11.5926

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.



18.2233, 24.9308, 9.2539



24.5810, 24.9308, 69.1622



28.4234, 24.9308, 8.0851

Square

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



24.5810, 24.9308, 69.1622



35.6942, 24.9308, 24.7179



22.8325, 24.9308, 6.9239



14.7419, 24.9308, 29.7269

Rectangle

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



24.5810, 24.9308, 69.1622



33.2908, 24.9308, 48.2793



22.8325, 24.9308, 6.9239



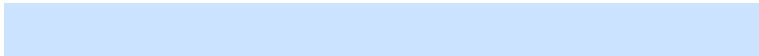
16.1484, 24.9308, 13.3032

Sweetspot

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



24.5820, 24.9316, 69.1628



70.4704, 75.0944, 105.3882



33.1646, 53.2930, 37.5072



14.4461, 15.4084, 22.4627



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.



24.5820, 24.9316, 69.1628



29.6901, 28.2775, 98.5010



18.1795, 11.5610, 66.9195



12.8237, 13.5872, 16.5988



10.3642, 8.5979, 40.8517



0.7568, 0.7278, 2.6750

Inverse Universe

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



35.7251, 21.5146, 26.6965



47.6579, 25.9045, 29.3223



53.2683, 64.1525, 16.0551



13.3009, 13.1495, 14.8458



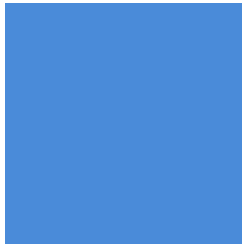
18.7267, 9.4917, 8.2068



1.2563, 0.6322, 0.7586

Previews

White Background



This preview shows how the XYZ color 24.5810, 24.9308, 69.1622 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5810, 24.9308, 69.1622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

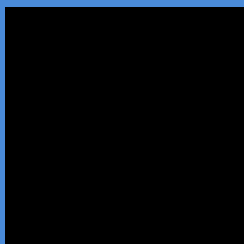
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

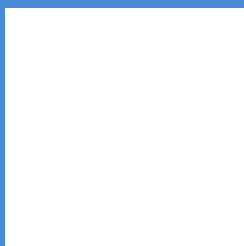
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5810, 24.9308, 69.1622

Background



This preview shows how black text looks on a background with the XYZ color 24.5810, 24.9308, 69.1622.

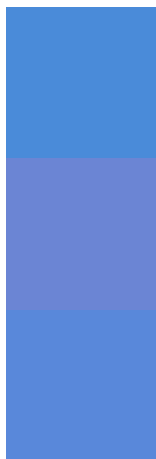


This preview shows how white text looks on a background with the XYZ color 24.5810, 24.9308,

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

24.5810, 24.9308, 69.1622

Protanopia

26.3346, 24.6543, 65.6581

Deuteranopia

25.5789, 24.7941, 69.7673



Tritanopia

18.3030, 24.8724, 38.0186

Trichromacy



Original Color

24.5810, 24.9308, 69.1622

Protanomaly

25.5209, 24.6159, 67.0246

Deuteranomaly

25.2567, 24.8381, 69.7927

Tritanomaly

20.1386, 24.6652, 47.9554

Monochromacy



Original Color

24.5810, 24.9308, 69.1622

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.7808, 22.2287, 36.4530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5810, 24.9308, 69.1622 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(74, 139, 217)` looks like.

```
.text, #text, p{  
    color:rgb(74, 139, 217)  
}
```

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(74, 139, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 139, 217) }
```

Border

The CSS property to change the border of an element to XYZ 24.5810, 24.9308, 69.1622 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(74, 139, 217) }
```


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

```
.border{ border-color:rgb(74, 139, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 139, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 139, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 139, 217);  
box-shadow:4px 4px 4px 4px rgb(74, 139,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5810, 24.9308, 69.1622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 139, 217) }
```

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

```
.background{ background-color: rgb(74, 139,  
217) }
```

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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