

Converting Colors

XYZ(22.2766, 24.9227, 68.3053)

Have a look what the booklet for
XYZ(22.2766, 24.9227, 68.3053)
contains.

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Color

**XYZ(22.3679, 24.9044,
68.5939)**

Conversions

Conversions Part 1

Format	Color
Hex	0090D8
RGB	0, 144, 216
RGB Percent	0%, 56%, 85%
CMY	0.9998, 0.4353, 0.1529
CMYK	1.00, 0.33, 0.00, 0.15
HSL	200°, 100%, 42%
HSV	200°, 100%, 85%
XYZ	22.3679, 24.9044, 68.5939
YIQ	109.1520, -108.9360, -8.1360

Conversions

Conversions Part 2

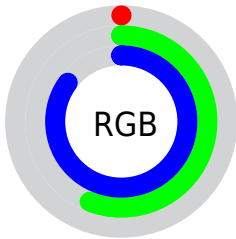
Format	Color
RYB	0, 86, 216
Decimal	37080
CIELab	56.98, -5.88, -45.62
CIELCh	57, 45.997, 262.654
Yxy	24.9044, 0.1930, 0.2149
Android (android.graphics.Color)	4278227160 (0xFF0090D8)
YUV	109.1520, 52.6761, -95.7263
Hunter-Lab	49.9043, -7.3260, -46.5616

Details

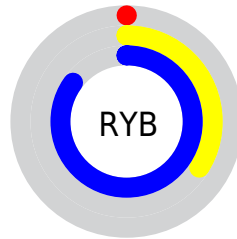
The XYZ color **22.3679, 24.9044, 68.5939** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **30.6398, 19.2400, 2.1002**, and the grayscale version is **14.4607, 15.2138, 16.5678**.

A 20% lighter version of the original color is **43.7236, 50.4329, 102.0378**, and **10.4357, 10.5786, 35.2101** is the 20% darker color. If you saturate the color by 10%, you get **22.3658, 24.9000, 68.5937**, and if you desaturate by 10%, it is **23.8173, 27.3231, 68.9849**.

Distribution



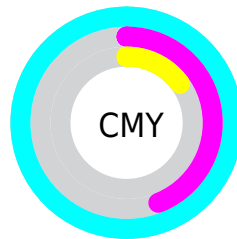
- Red (0%)
- Green (56%)
- Blue (85%)



- Red (0%)
- Yellow (34%)
- Blue (85%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (44%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3679, 24.9044, 68.5939 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 22.3679, 24.9044, 68.5939 by changing the saturation by 10% instead.

■ 22.3679, 24.9044,
68.5939

■ 22.3679, 24.9044,
68.5939

257.0580,
277.3615, 474.2525

■ 14.2456, 16.0058,
49.9113

■ 46.8276, 51.5021,
118.8636

■ 8.3745, 9.5283,
34.9723

■ 63.8958, 69.9700,
151.2878

■ 4.3893, 5.0873,
23.3581

■ 84.6766, 92.3965,
189.1297

■ 1.9247, 2.2986,
14.6504

■ 109.5354,
119.1660, 232.8077

■ 0.5911, 0.7730,
8.4305

■ 138.8376,
150.6628, 282.7405

■ 0.0000, 0.0000,
4.2799

172.9485,

■ 0.0000, 0.0000,

187.2714, 339.3465

1.7801

212.2335,
229.3762, 403.0443

■ 0.0000, 0.0000,
0.4148

■ 0.0000, 0.0000,
0.0000

■ 22.3679, 24.9044,
68.5939

■ 22.3679, 24.9044,
68.5939

■ 22.3658, 24.9000,
68.5937

■ 23.8173, 27.3231,
68.9849

■ 25.6975, 30.0689,
69.4158

■ 28.1294, 33.2060,
69.8931

■ 31.1806, 36.7711,
70.4205

■ 34.9081, 40.7953,
71.0008

■ 39.3619, 45.3061,
71.6367

■ 44.5871, 50.3284,
72.3307

■ 50.6249, 55.8849,
73.0850

■ 57.5134, 61.9971,
73.9017

Harmonies

Analogous

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



17.9143, 24.9044, 58.2923



22.3679, 24.9044, 68.5939



27.8996, 24.9044, 64.8578

Triad

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



22.3679, 24.9044, 68.5939



34.6042, 24.9044, 17.2001



16.3387, 24.9044, 12.7819

Complementary

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



22.3679, 24.9044, 68.5939



30.6398, 19.2400, 2.1002

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.



19.8927, 24.9044, 7.8906



22.3679, 24.9044, 68.5939



30.5449, 24.9044, 9.6808

Square

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



22.3679, 24.9044, 68.5939



35.5345, 24.9044, 31.0994



25.0235, 24.9044, 7.0241



14.7941, 24.9044, 23.4893

Rectangle

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



22.3679, 24.9044, 68.5939



31.4262, 24.9044, 55.3935



25.0235, 24.9044, 7.0241



17.3095, 24.9044, 10.5991

Sweetspot

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



22.3689, 24.9052, 68.5945



64.6814, 73.0570, 105.3001



25.7274, 49.5808, 14.3505



13.1243, 14.9532, 22.4445



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.



22.3689, 24.9052, 68.5945



32.4214, 35.9628, 99.8405



13.0275, 6.2224, 65.4807



12.4272, 13.3778, 15.8647



13.3411, 14.9440, 40.6345



0.8793, 1.0507, 2.4758

Inverse Universe

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



33.3538, 16.6138, 27.8350



48.4940, 24.1616, 40.1291



44.6424, 47.2452, 6.7677



12.7688, 12.5590, 14.7228



19.7928, 9.8534, 16.7449



1.2315, 0.6094, 1.2084

Previews

White Background



This preview shows how the XYZ color 22.3679, 24.9044, 68.5939 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 22.3679, 24.9044, 68.5939 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

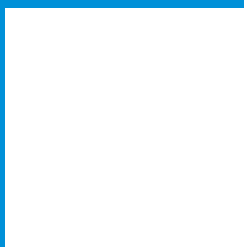
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3679, 24.9044, 68.5939

Background



This preview shows how black text looks on a background with the XYZ color 22.3679, 24.9044, 68.5939.

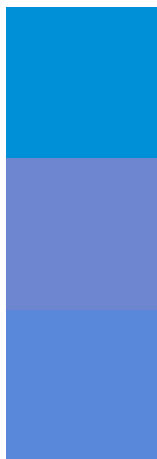


This preview shows how white text looks on a background with the XYZ color 22.3679, 24.9044,

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

22.3679, 24.9044, 68.5939

Protanopia

26.2180, 24.8702, 62.4501

Deuteranopia

25.5789, 24.7941, 69.7673



Tritanopia

17.5882, 24.7419, 38.0311

Trichromacy



Original Color

22.3679, 24.9044, 68.5939

Protanomaly

23.2471, 24.1322, 64.4055

Deuteranomaly

23.4443, 24.3448, 69.1090

Tritanomaly

19.0334, 24.5572, 47.9928

Monochromacy



Original Color

22.3679, 24.9044, 68.5939

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.7591, 17.3224, 30.5826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3679, 24.9044, 68.5939 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(0, 144, 216)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 216)  
}
```

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(0, 144, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 216) }
```

Border

The CSS property to change the border of an element to XYZ 22.3679, 24.9044, 68.5939 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(0, 144, 216) }
```


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

```
.border{ border-color:rgb(0, 144, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 144, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 216);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3679, 24.9044, 68.5939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 216) }
```

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

```
.background{ background-color: rgb(0, 144,  
216) }
```

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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