

Converting Colors

XYZ(9.6734, 18.8369, 67.3637)

Have a look what the booklet for
XYZ(9.6734, 18.8369, 67.3637)
contains.

XYZ(22.5446, 25.4641, 68.0168)	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(22.5446, 25.4641,
68.0168)**

Conversions

Conversions Part 1

Format	Color
Hex	0092D7
RGB	0, 146, 215
RGB Percent	0%, 57%, 84%
CMY	0.9998, 0.4274, 0.1569
CMYK	1.00, 0.32, 0.00, 0.16
HSL	199°, 100%, 42%
HSV	199°, 100%, 84%
XYZ	22.5446, 25.4641, 68.0168
YIQ	110.2120, -109.1650, -9.4930

Conversions

Conversions Part 2

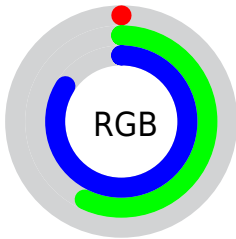
Format	Color
R _Y B	0, 87, 215
Decimal	37591
CIE Lab	57.52, -7.41, -44.20
CIE LCh	58, 44.818, 260.484
Yxy	25.4641, 0.1943, 0.2195
Android (android.graphics.Color)	4278227671 (0xFF0092D7)
YUV	110.2120, 51.6605, -96.6559
Hunter-Lab	50.4620, -8.5610, -44.5926

Details

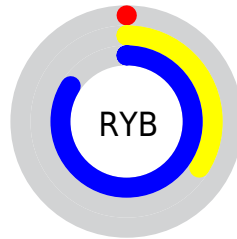
The XYZ color **22.5446, 25.4641, 68.0168** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **30.1558, 18.7093, 2.0232**, and the grayscale version is **14.7650, 15.5340, 16.9165**.

A 20% lighter version of the original color is **44.1838, 51.3533, 102.1912**, and **10.5280, 10.9038, 34.8075** is the 20% darker color. If you saturate the color by 10%, you get **22.5426, 25.4599, 68.0166**, and if you desaturate by 10%, it is **23.9622, 27.8226, 68.3979**.

Distribution



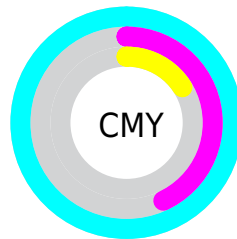
- Red (0%)
- Green (57%)
- Blue (84%)



- Red (0%)
- Yellow (34%)
- Blue (84%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (43%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5446, 25.4641, 68.0168 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 22.5446, 25.4641, 68.0168 by changing the saturation by 10% instead.

■ 22.5446, 25.4641,
68.0168

■ 22.5446, 25.4641,
68.0168

257.9565,
280.1414, 472.1552

■ 14.3764, 16.4232,
49.4446

■ 47.1167, 52.4091,
118.0306

■ 8.4664, 9.8241,
34.6042

■ 64.2513, 71.0820,
150.3093

■ 4.4491, 5.2825,
23.0771

■ 85.1054, 93.7343,
187.9940

■ 1.9592, 2.4139,
14.4446

■ 110.0444,
120.7505, 231.5031

■ 0.6109, 0.8330,
8.2883

■ 139.4337,
152.5149, 281.2553

■ 0.0000, 0.0000,
4.1895

173.6386,

■ 0.0000, 0.0000,

189.4119, 337.6690

1.7299

213.0244,
231.8259, 401.1628

■ 0.0000, 0.0000,
0.3811

■ 0.0000, 0.0000,
0.0000

■ 22.5446, 25.4641,
68.0168

■ 22.5446, 25.4641,
68.0168

■ 22.5426, 25.4599,
68.0166

■ 23.9622, 27.8226,
68.3979

■ 25.8010, 30.4948,
68.8168

■ 28.1809, 33.5446,
69.2800

■ 31.1683, 37.0077,
69.7910

■ 34.8195, 40.9146,
70.3526

■ 39.1839, 45.2922,
70.9676

■ 44.3058, 50.1650,
71.6382

■ 50.2260, 55.5552,
72.3665

■ 56.9820, 61.4836,
73.1548

Harmonies

Analogous

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



18.2395, 25.4641, 57.1621



22.5446, 25.4641, 68.0168



27.9769, 25.4641, 65.4050

Triad

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



22.5446, 25.4641, 68.0168



35.1524, 25.4641, 18.6560



17.1143, 25.4641, 12.9080

Complementary

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



22.5446, 25.4641, 68.0168



30.1558, 18.7093, 2.0232

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.



20.7845, 25.4641, 8.2945



22.5446, 25.4641, 68.0168



31.3421, 25.4641, 10.6649

Square

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



22.5446, 25.4641, 68.0168



35.8078, 25.4641, 32.8777



25.9405, 25.4641, 7.6607



15.4227, 25.4641, 23.1428

Rectangle

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



22.5446, 25.4641, 68.0168



31.5001, 25.4641, 56.6468



25.9405, 25.4641, 7.6607



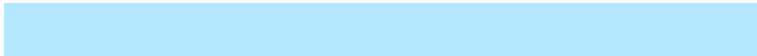
18.1298, 25.4641, 10.8345

Sweetspot

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



22.5456, 25.4649, 68.0175



64.9455, 73.5852, 105.3881



25.3482, 49.0204, 13.6133



13.1875, 15.0795, 22.4655



0.0000, 0.0000, 0.0000



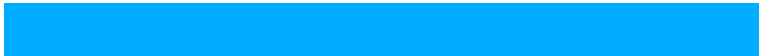
20.3446, 21.4041, 23.3091

Same Dimension

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



22.5456, 25.4649, 68.0175



33.0216, 37.1632, 100.0405



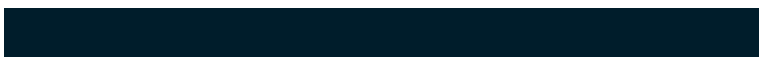
13.0070, 6.3878, 64.8379



12.4405, 13.4044, 15.8691



13.5827, 15.4271, 40.7150



0.8926, 1.0772, 2.4802

Inverse Universe

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



33.2135, 16.5236, 28.6336



48.7970, 24.2828, 41.7245



43.4704, 45.3385, 6.4614



12.7755, 12.5617, 14.7582



19.9148, 9.9022, 17.3871



1.2382, 0.6121, 1.2437

Previews

White Background



This preview shows how the XYZ color 22.5446, 25.4641, 68.0168 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 22.5446, 25.4641, 68.0168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

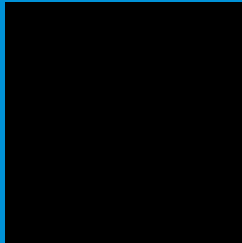
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.5446, 25.4641, 68.0168

Background



This preview shows how black text looks on a background with the XYZ color 22.5446, 25.4641, 68.0168.

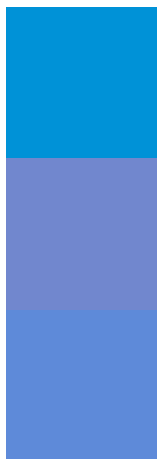


This preview shows how white text looks on a background with the XYZ color 22.5446, 25.4641,

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

22.5446, 25.4641, 68.0168

Protanopia

26.6146, 25.2949, 61.8722

Deuteranopia

26.2290, 25.5664, 69.1980



Tritanopia

18.0921, 25.4628, 39.0832

Trichromacy



Original Color

22.5446, 25.4641, 68.0168

Protanomaly

23.4137, 24.4464, 63.8062

Deuteranomaly

23.7830, 24.9683, 68.5316

Tritanomaly

19.4536, 25.2316, 48.6446

Monochromacy



Original Color

22.5446, 25.4641, 68.0168

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.9540, 17.6061, 30.6271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5446, 25.4641, 68.0168 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, 146, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 215)  
}
```

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, 146, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 215) }
```

Border

The CSS property to change the border of an element to XYZ 22.5446, 25.4641, 68.0168 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, 146, 215) }
```


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

```
.border{ border-color:rgb(0, 146, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 146, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5446, 25.4641, 68.0168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 215) }
```

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

```
.background{ background-color: rgb(0, 146,  
215) }
```

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