

Converting Colors

XYZ(9.0205, 11.1195, 22.5493)

Have a look what the booklet for
XYZ(9.0205, 11.1195, 22.5493)
contains.

XYZ(8.9928, 11.0865, 22.4348)	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(8.9928, 11.0865,
22.4348)**

Conversions

Conversions Part 1

Format	Color
Hex	186581
RGB	24, 101, 129
RGB Percent	9%, 40%, 51%
CMY	0.9058, 0.6039, 0.4941
CMYK	0.81, 0.22, 0.00, 0.49
HSL	196°, 69%, 30%
HSV	196°, 81%, 51%
XYZ	8.9928, 11.0865, 22.4348
YIQ	81.1690, -54.8800, -7.6160

Conversions

Conversions Part 2

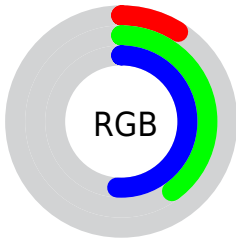
Format	Color
R_{YB}	24, 68, 129
Decimal	1598849
CIE _{Lab}	39.73, -12.36, -22.05
CIE _{LCh}	40, 25.277, 240.723
Yxy	11.0865, 0.2115, 0.2608
Android (android.graphics.Color)	4279788929 (0xFF186581)
YUV	81.1690, 23.5807, -50.1372
Hunter-Lab	33.2964, -10.0588, -16.6416

Details

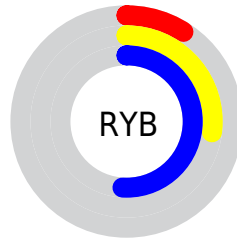
The XYZ color **8.9928, 11.0865, 22.4348** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **10.4467, 7.1899, 1.7018**, and the grayscale version is **7.8177, 8.2248, 8.9568**.

A 20% lighter version of the original color is **23.6022, 27.8601, 48.3895**, and **2.7671, 3.2175, 8.0646** is the 20% darker color. If you saturate the color by 10%, you get **8.4287, 10.3103, 22.3149**, and if you desaturate by 10%, it is **9.7170, 11.9664, 22.5667**.

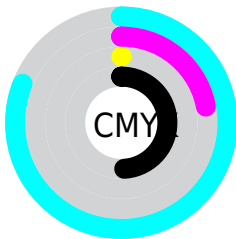
Distribution



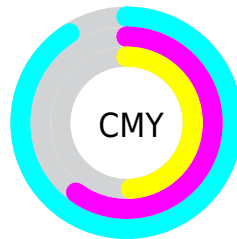
- Red (9%)
- Green (40%)
- Blue (51%)



- Red (9%)
- Yellow (27%)
- Blue (51%)



- Cyan (81%)
- Magenta (22%)
- Yellow (0%)
- Black (49%)



- Cyan (91%)
- Magenta (60%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.9928, 11.0865, 22.4348 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 8.9928, 11.0865, 22.4348 by changing the saturation by 10% instead.

8.9928, 11.0865,
22.4348

8.9928, 11.0865,
22.4348

177.5324,
198.2600, 277.8358

4.7936, 6.1250,
13.9754

23.5502, 27.8200,
48.3750

2.1602, 2.9213,
7.9650

34.6391, 40.3609,
66.6928

0.7216, 1.0908,
3.9851

48.7553, 56.1970,
89.1338

0.0000, 0.0000,
1.6172

66.2640, 75.7127,
116.1165

0.0000, 0.0000,
0.3030

87.5308, 99.2925,
148.0596

0.0000, 0.0000,
0.0000

112.9208,

127.3207, 185.3814

142.7996,
160.1818, 228.5006

■ 8.9928, 11.0865,
22.4348

■ 8.9928, 11.0865,
22.4348

■ 8.4287, 10.3103,
22.3149

■ 9.7170, 11.9664,
22.5667

■ 8.0186, 9.6973,
22.2182

■ 10.6186, 12.9584,
22.7107

■ 11.7135, 14.0714,
22.8678

■ 13.0156, 15.3128,
23.0387

■ 14.5376, 16.6892,
23.2242

■ 16.2909, 18.2068,
23.4247

■ 18.2863, 19.8713,
23.6408

■ 20.5336, 21.6882,
23.8731

■ 23.0424, 23.6625,
24.1219

Harmonies

Analogous

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



7.9285, 11.0865, 17.6223



8.9928, 11.0865, 22.4348



10.5794, 11.0865, 24.3240

Triad

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



8.9928, 11.0865, 22.4348



14.2262, 11.0865, 11.9515



8.9275, 11.0865, 5.5937

Complementary

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



8.9928, 11.0865, 22.4348



10.4467, 7.1899, 1.7018

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.



10.4955, 11.0865, 4.8310



8.9928, 11.0865, 22.4348



13.6637, 11.0865, 7.8288

Square

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



8.9928, 11.0865, 22.4348



13.7137, 11.0865, 17.3557



12.2494, 11.0865, 5.5221



7.8938, 11.0865, 7.9858

Rectangle

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



8.9928, 11.0865, 22.4348



11.7589, 11.0865, 23.3550



12.2494, 11.0865, 5.5221



9.4035, 11.0865, 5.1731

Sweetspot

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



8.9932, 11.0869, 22.4351



28.1307, 31.7135, 41.8312



8.8472, 16.1430, 5.8992



6.1533, 6.9933, 9.4439



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



8.9932, 11.0869, 22.4351



14.3852, 17.3545, 39.7841



5.4172, 3.9349, 21.2431



4.3525, 4.6989, 5.4909



7.8217, 9.4618, 21.6640



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.7292, 6.2604, 12.9024



19.9070, 9.8941, 20.0340



14.2194, 14.7353, 2.9594



4.4507, 4.3934, 5.1781



10.8250, 5.3497, 10.9340



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 8.9928, 11.0865, 22.4348 looks on a white 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

Black Background



This preview shows how the XYZ color 8.9928, 11.0865, 22.4348 looks on a black 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

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

XYZ 8.9928, 11.0865, 22.4348

Background



This preview shows how black text looks on a background with the XYZ color 8.9928, 11.0865, 22.4348.



This preview shows how white text looks on a background with the XYZ color 8.9928, 11.0865,

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

8.9928, 11.0865, 22.4348

Protanopia

11.0863, 10.9907, 19.9495

Deuteranopia

11.2321, 10.9985, 23.0036



Tritanopia

7.8749, 11.0705, 17.0510

Trichromacy



Original Color

8.9928, 11.0865, 22.4348

Protanomaly

9.8438, 10.7218, 20.9527

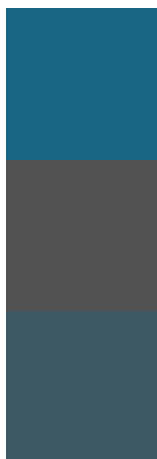
Deuteranomaly

9.9850, 10.7568, 22.6691

Tritanomaly

8.2329, 11.0666, 18.8417

Monochromacy



Original Color

8.9928, 11.0865, 22.4348

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

7.5578, 8.8219, 12.8597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.9928, 11.0865, 22.4348 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(24, 101, 129)` looks like.

```
.text, #text, p{  
    color:rgb(24, 101, 129)  
}
```

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(24, 101, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 101, 129) }
```

Border

The CSS property to change the border of an element to XYZ 8.9928, 11.0865, 22.4348 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(24, 101, 129) }
```


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

```
.border{ border-color:rgb(24, 101, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 101, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 101, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 101, 129);  
box-shadow:4px 4px 4px 4px rgb(24, 101,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 8.9928, 11.0865, 22.4348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 101, 129) }
```

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

```
.background{ background-color: rgb(24, 101,  
129) }
```

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