

Converting Colors

XYZ(18.2405, 22.6367, 28.8980)

Have a look what the booklet for
XYZ(18.2405, 22.6367, 28.8980)
contains.

XYZ(18.2349, 22.5421, 28.9812)	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(18.2349, 22.5421,
28.9812)**

Conversions

Conversions Part 1

Format	Color
Hex	598B8E
RGB	89, 139, 142
RGB Percent	35%, 55%, 56%
CMY	0.6510, 0.4549, 0.4431
CMYK	0.37, 0.02, 0.00, 0.44
HSL	183°, 23%, 45%
HSV	183°, 37%, 56%
XYZ	18.2349, 22.5421, 28.9812
YIQ	124.3920, -30.7630, -9.6670

Conversions

Conversions Part 2

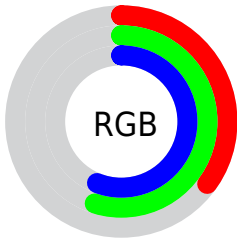
Format	Color
R_{YB}	89, 115, 142
Decimal	5868430
CIE _{Lab}	54.60, -15.92, -6.93
CIE _{LCh}	55, 17.367, 203.524
Yxy	22.5421, 0.2614, 0.3231
Android (android.graphics.Color)	4284058510 (0xFF598B8E)
YUV	124.3920, 8.6807, -31.0388
Hunter-Lab	47.4785, -14.5316, -2.9560

Details

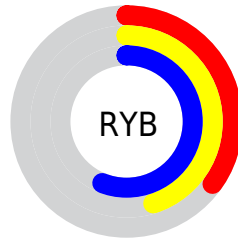
The XYZ color **18.2349, 22.5421, 28.9812** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.7859, 14.1265, 11.2935**, and the grayscale version is **19.2688, 20.2723, 22.0765**.

A 20% lighter version of the original color is **40.0183, 47.7882, 59.3394**, and **6.3035, 8.3295, 11.4007** is the 20% darker color. If you saturate the color by 10%, you get **16.8858, 21.6751, 28.8853**, and if you desaturate by 10%, it is **19.8490, 23.5481, 29.0907**.

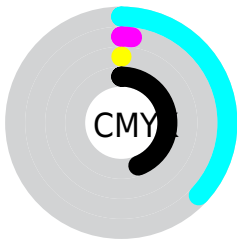
Distribution



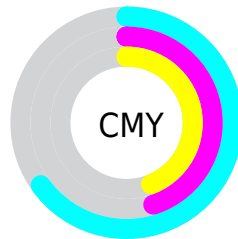
- Red (35%)
- Green (55%)
- Blue (56%)



- Red (35%)
- Yellow (45%)
- Blue (56%)



- Cyan (37%)
- Magenta (2%)
- Yellow (0%)
- Black (44%)



- Cyan (65%)
- Magenta (45%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2349, 22.5421, 28.9812 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 18.2349, 22.5421, 28.9812 by changing the saturation by 10% instead.

■ 18.2349, 22.5421,
28.9812

■ 18.2349, 22.5421,
28.9812

235.2118,
265.3643, 311.1844

■ 11.2195, 14.2558,
18.8211

■ 39.9641, 47.6404,
59.0890

■ 6.2830, 8.2988,
11.3656

■ 55.4087, 65.2211,
79.8739

■ 3.0602, 4.2867,
6.1961

■ 74.3936, 86.6687,
105.0375

■ 1.1857, 1.8352,
2.8939

■ 97.2843, 112.3676,
134.9982

■ 0.0950, 0.5090,
1.0407

124.4461,
142.7023, 170.1748

■ 0.0000, 0.0000,
0.0000

156.2444,

178.0570, 210.9856

193.0445,
218.8162, 257.8493

■ 18.2349, 22.5421,
28.9812

■ 18.2349, 22.5421,
28.9812

■ 16.8858, 21.6751,
28.8853

■ 19.8490, 23.5481,
29.0907

■ 15.7847, 20.9367,
28.8008

■ 21.7402, 24.6976,
29.2129

■ 14.9153, 20.3190,
28.7274

■ 23.9220, 25.9982,
29.3489

■ 14.2590, 19.8124,
28.6642

■ 26.4067, 27.4563,
29.4994

■ 13.7941, 19.4057,
28.6103

■ 29.2056, 29.0776,
29.6648

■ 13.4805, 19.0783,
28.5636

■ 32.3297, 30.8678,
29.8457

■ 13.4032, 18.9943,
28.5514

■ 35.7893, 32.8323,
30.0426

■ 39.5942, 34.9761,
30.2558

■ 43.7540, 37.3041,
30.4859

Harmonies

Analogous

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



17.9833, 22.5421, 23.3784



18.2349, 22.5421, 28.9812



19.3178, 22.5421, 33.9990

Triad

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



18.2349, 22.5421, 28.9812



24.5129, 22.5421, 31.3352



21.8420, 22.5421, 15.5153

Complementary

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



18.2349, 22.5421, 28.9812



16.7859, 14.1265, 11.2935

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.



23.6813, 22.5421, 17.0286



18.2349, 22.5421, 28.9812



25.2813, 22.5421, 25.7488

Square

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



18.2349, 22.5421, 28.9812



22.9234, 22.5421, 35.4930



24.9683, 22.5421, 20.5854



19.9945, 22.5421, 16.1166

Rectangle

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



18.2349, 22.5421, 28.9812



20.4019, 22.5421, 36.0608



24.9683, 22.5421, 20.5854



22.4830, 22.5421, 15.7852

Sweetspot

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



18.2356, 22.5430, 28.9817



40.6188, 44.9168, 51.6568



15.7097, 22.2369, 13.5097



8.9718, 9.9724, 11.5314



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



18.2356, 22.5430, 28.9817



30.0797, 38.4200, 50.9583



14.8911, 15.8541, 27.8669



5.5345, 6.0648, 6.9077



12.0384, 17.0628, 25.6360



0.1202, 0.1734, 0.2468

Inverse Universe

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



19.3884, 14.7601, 26.2542



32.4524, 22.6962, 45.2789



19.4550, 19.4647, 12.1832



5.6133, 5.5058, 6.7275



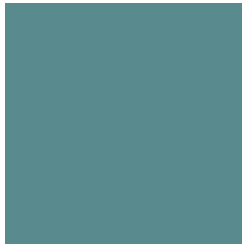
13.8795, 6.7088, 20.8148



0.1353, 0.0652, 0.2127

Previews

White Background



This preview shows how the XYZ color 18.2349, 22.5421, 28.9812 looks on a white background.

Color Contrast Check

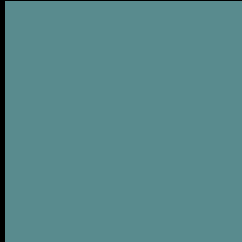
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2349, 22.5421, 28.9812 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 18.2349, 22.5421, 28.9812

Background



This preview shows how black text looks on a background with the XYZ color 18.2349, 22.5421, 28.9812.

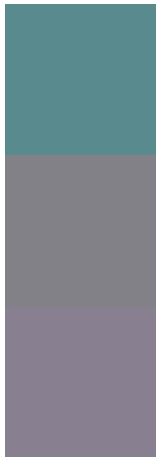


This preview shows how white text looks on a background with the XYZ color 18.2349, 22.5421,

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

18.2349, 22.5421, 28.9812

Protanopia

21.6543, 22.3034, 26.4562

Deuteranopia

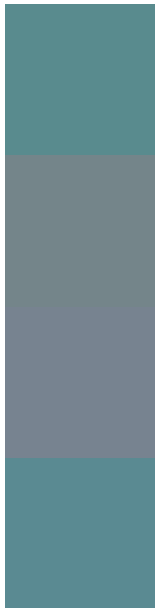
22.8535, 22.4573, 29.9182



Tritanopia

18.8277, 22.5710, 31.7981

Trichromacy



Original Color

18.2349, 22.5421, 28.9812

Protanomaly

20.1774, 22.3230, 27.2901

Deuteranomaly

20.7581, 22.1682, 29.5704

Tritanomaly

18.4932, 22.4259, 30.5481

Monochromacy



Original Color

18.2349, 22.5421, 28.9812

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.5025, 20.7187, 24.4967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2349, 22.5421, 28.9812 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(89, 139, 142) looks like.

```
.text, #text, p{  
    color:rgb(89, 139, 142)  
}
```

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(89, 139, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 139, 142) }
```

Border

The CSS property to change the border of an element to XYZ 18.2349, 22.5421, 28.9812 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(89, 139, 142) }
```


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

```
.border{ border-color:rgb(89, 139, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 139, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 139, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 139, 142);  
box-shadow:4px 4px 4px 4px rgb(89, 139,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2349, 22.5421, 28.9812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 139, 142) }
```

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

```
.background{ background-color: rgb(89, 139,  
142) }
```

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