

Converting Colors

XYZ(14.9230, 18.9101, 24.0004)

Have a look what the booklet for
XYZ(14.9230, 18.9101, 24.0004)
contains.

XYZ(14.9401, 18.8900, 23.9778)	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(14.9401, 18.8900,
23.9778)**

Conversions

Conversions Part 1

Format	Color
Hex	4D8182
RGB	77, 129, 130
RGB Percent	30%, 51%, 51%
CMY	0.6980, 0.4941, 0.4902
CMYK	0.41, 0.01, 0.00, 0.49
HSL	181°, 26%, 41%
HSV	181°, 41%, 51%
XYZ	14.9401, 18.8900, 23.9778
YIQ	113.5660, -31.3130, -10.7130

Conversions

Conversions Part 2

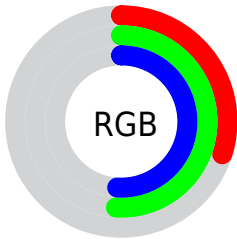
Format	Color
RYB	77, 103, 130
Decimal	5079426
CIELab	50.56, -17.05, -6.02
CIElCh	51, 18.080, 199.450
Yxy	18.8900, 0.2584, 0.3268
Android (android.graphics.Color)	4283269506 (0xFF4D8182)
YUV	113.5660, 8.1020, -32.0684
Hunter-Lab	43.4626, -14.7010, -2.2857

Details

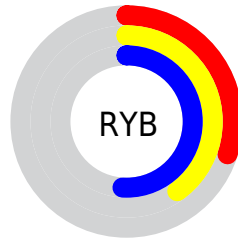
The XYZ color **14.9401, 18.8900, 23.9778** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.2702, 10.7307, 8.3935**, and the grayscale version is **15.8481, 16.6735, 18.1574**.

A 20% lighter version of the original color is **34.3285, 41.5419, 51.0088**, and **4.7548, 6.5381, 8.7960** is the 20% darker color. If you saturate the color by 10%, you get **13.9622, 18.3385, 23.9232**, and if you desaturate by 10%, it is **16.1289, 19.5513, 24.0431**.

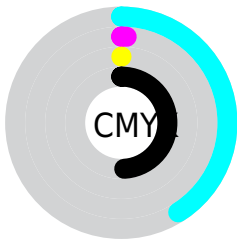
Distribution



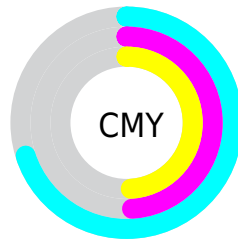
- Red (30%)
- Green (51%)
- Blue (51%)



- Red (30%)
- Yellow (40%)
- Blue (51%)



- Cyan (41%)
- Magenta (1%)
- Yellow (0%)
- Black (49%)



- Cyan (70%)
- Magenta (49%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9401, 18.8900, 23.9778 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 14.9401, 18.8900, 23.9778 by changing the saturation by 10% instead.

■ 14.9401, 18.8900,
23.9778

■ 14.9401, 18.8900,
23.9778

216.3989,
245.8408, 285.9912

■ 8.8634, 11.5908,
15.1051

■ 34.3206, 41.5481,
50.9373

■ 4.7086, 6.4657,
8.7457

■ 48.3551, 57.6759,
69.8613

■ 2.1103, 3.1303,
4.4812

■ 65.7729, 77.5153,
92.9727

■ 0.6948, 1.2001,
1.8929

■ 86.9393, 101.4507,
120.6902

■ 0.0000, 0.0618,
0.4882

■ 112.2198,
129.8666, 153.4322

■ 0.0000, 0.0000,
0.0000

141.9797,

163.1473, 191.6174

176.5843,
201.6773, 235.6642

■ 14.9401, 18.8900,
23.9778

■ 14.9401, 18.8900,
23.9778

■ 13.9622, 18.3385,
23.9232

■ 16.1289, 19.5513,
24.0431

■ 13.1809, 17.8880,
23.8774

■ 17.5384, 20.3260,
24.1183

■ 12.5828, 17.5321,
23.8403

■ 19.1799, 21.2204,
24.2045

■ 12.1524, 17.2627,
23.8109

■ 21.0633, 22.2396,
24.3019

■ 11.8712, 17.0703,
23.7886

■ 23.1980, 23.3885,
24.4112

■ 11.6901, 16.9333,
23.7717

■ 25.5930, 24.6717,
24.5326

■ 28.2568, 26.0936,
24.6667

■ 31.1973, 27.6582,
24.8137

■ 34.4224, 29.3697,
24.9741

Harmonies

Analogous

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



14.8198, 18.8900, 18.8389



14.9401, 18.8900, 23.9778



15.8368, 18.8900, 28.8742

Triad

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



14.9401, 18.8900, 23.9778



20.6591, 18.8900, 27.5574



18.5831, 18.8900, 12.4148

Complementary

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



14.9401, 18.8900, 23.9778



13.2702, 10.7307, 8.3935

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.



20.2528, 18.8900, 14.0303



14.9401, 18.8900, 23.9778



21.5024, 18.8900, 22.3998

Square

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



14.9401, 18.8900, 23.9778



19.1085, 18.8900, 31.1638



21.3490, 18.8900, 17.4978



16.8477, 18.8900, 12.6957

Rectangle

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



14.9401, 18.8900, 23.9778



16.7890, 18.8900, 31.0796



21.3490, 18.8900, 17.4978



19.1725, 18.8900, 12.7421

Sweetspot

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



14.9407, 18.8907, 23.9782



33.3152, 37.1195, 42.6014



12.4146, 18.0918, 10.0240



7.4709, 8.3639, 9.6390



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.



14.9407, 18.8907, 23.9782



24.6905, 32.3534, 42.1360



11.9025, 12.8144, 22.9655



4.4397, 4.8734, 5.5199



11.2094, 16.2373, 22.7933



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.8227, 11.6390, 22.1823



26.4785, 17.7674, 38.4702



15.5349, 15.2601, 9.1484



4.4948, 4.4111, 5.4100



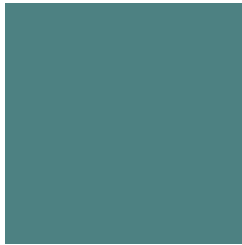
12.5350, 6.0337, 19.9387



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 14.9401, 18.8900, 23.9778 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 14.9401, 18.8900, 23.9778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

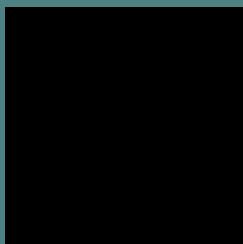
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

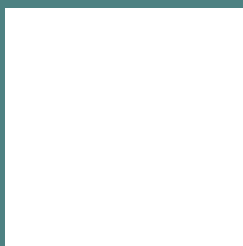
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.9401, 18.8900, 23.9778

Background



This preview shows how black text looks on a background with the XYZ color 14.9401, 18.8900, 23.9778.



This preview shows how white text looks on a background with the XYZ color 14.9401, 18.8900,

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

14.9401, 18.8900, 23.9778

Protanopia

18.1201, 18.7138, 21.7259

Deuteranopia

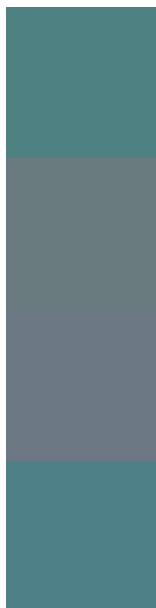
19.1991, 18.8517, 24.8171



Tritanopia

15.5311, 18.9356, 26.8811

Trichromacy



Original Color

14.9401, 18.8900, 23.9778

Protanomaly

16.6746, 18.6755, 22.4646

Deuteranomaly

17.1866, 18.5288, 24.5004

Tritanomaly

15.2342, 18.8073, 25.7489

Monochromacy



Original Color

14.9401, 18.8900, 23.9778

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.3538, 17.3164, 20.3025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9401, 18.8900, 23.9778 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(77, 129, 130)` looks like.

```
.text, #text, p{  
    color:rgb(77, 129, 130)  
}
```

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(77, 129, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 129, 130) }
```

Border

The CSS property to change the border of an element to XYZ 14.9401, 18.8900, 23.9778 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(77, 129, 130) }
```


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

```
.border{ border-color:rgb(77, 129, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 129, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 129, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 129, 130);  
box-shadow:4px 4px 4px 4px rgb(77, 129,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9401, 18.8900, 23.9778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 129, 130) }
```

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

```
.background{ background-color: rgb(77, 129,  
130) }
```

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