

Converting Colors

XYZ(17.9803, 24.6645, 39.3380)

Have a look what the booklet for
XYZ(17.9803, 24.6645, 39.3380)
contains.

XYZ(18.0071, 24.6887, 39.4136)	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(18.0071, 24.6887,
39.4136)**

Conversions

Conversions Part 1

Format	Color
Hex	1596A5
RGB	21, 150, 165
RGB Percent	8%, 59%, 65%
CMY	0.9176, 0.4118, 0.3529
CMYK	0.87, 0.09, 0.00, 0.35
HSL	186°, 77%, 36%
HSV	186°, 87%, 65%
XYZ	18.0071, 24.6887, 39.4136
YIQ	113.1390, -81.6990, -22.6830

Conversions

Conversions Part 2

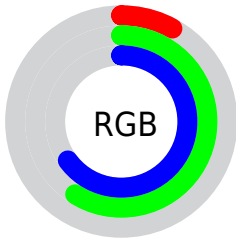
Format	Color
R_{YB}	21, 89, 165
Decimal	1414821
CIE _{Lab}	56.77, -26.50, -17.07
CIE _{LCh}	57, 31.520, 212.789
Yxy	24.6887, 0.2193, 0.3007
Android (android.graphics.Color)	4279604901 (0xFF1596A5)
YUV	113.1390, 25.5675, -80.8059
Hunter-Lab	49.6877, -22.2642, -12.2490

Details

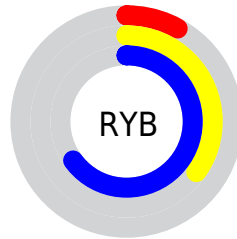
The XYZ color **18.0071, 24.6887, 39.4136** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.2841, 9.3163, 1.6502**, and the grayscale version is **15.6828, 16.4995, 17.9680**.

A 20% lighter version of the original color is **39.6794, 51.3713, 75.5345**, and **7.4425, 10.1159, 17.1831** is the 20% darker color. If you saturate the color by 10%, you get **17.4825, 24.0146, 39.3116**, and if you desaturate by 10%, it is **18.7562, 25.4855, 39.5284**.

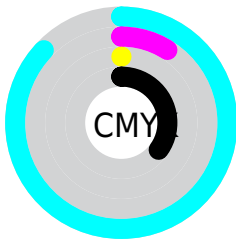
Distribution



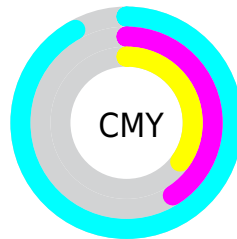
- Red (8%)
- Green (59%)
- Blue (65%)



- Red (8%)
- Yellow (35%)
- Blue (65%)



- Cyan (87%)
- Magenta (9%)
- Yellow (0%)
- Black (35%)



- Cyan (92%)
- Magenta (41%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0071, 24.6887, 39.4136 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 18.0071, 24.6887, 39.4136 by changing the saturation by 10% instead.

■ 18.0071, 24.6887,
39.4136

■ 18.0071, 24.6887,
39.4136

■ 233.9559,
276.2841, 359.1241

■ 11.0548, 15.8453,
26.7713

■ 39.5794, 51.1518,
75.4970

■ 6.1713, 9.4147,
17.1706

■ 54.9301, 69.5402,
99.7753

■ 2.9912, 5.0127,
10.1930

■ 73.8110, 91.8790,
128.7692

■ 1.1491, 2.2547,
5.4198

■ 96.5875, 118.5528,
162.8975

■ 0.0656, 0.7496,
2.4326

■ 123.6249,
149.9457, 202.5786

■ 0.0000, 0.0000,
0.8041

■ 155.2885,

■ 0.0000, 0.0000,

186.4424, 248.2310

0.0000

191.9437,
228.4270, 300.2733

■ 18.0071, 24.6887,
39.4136

■ 18.0071, 24.6887,
39.4136

■ 17.4825, 24.0146,
39.3116

■ 18.7562, 25.4855,
39.5284

■ 17.3522, 23.8378,
39.2843

■ 19.7771, 26.4280,
39.6565

■ 21.1025, 27.5335,
39.8000

■ 22.7598, 28.8161,
39.9602

■ 24.7733, 30.2884,
40.1383

■ 27.1651, 31.9618,
40.3352

■ 29.9553, 33.8468,
40.5520

■ 33.1628, 35.9530,
40.7895

■ 36.8052, 38.2895,
41.0485

Harmonies

Analogous

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



17.0856, 24.6887, 27.8796



18.0071, 24.6887, 39.4136



20.3774, 24.6887, 49.2245

Triad

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



18.0071, 24.6887, 39.4136



30.3360, 24.6887, 37.2510



23.1234, 24.6887, 11.2990

Complementary

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



18.0071, 24.6887, 39.4136



16.2841, 9.3163, 1.6502

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.



26.8516, 24.6887, 12.5899



18.0071, 24.6887, 39.4136



31.2645, 24.6887, 25.9081

Square

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



18.0071, 24.6887, 39.4136



27.5090, 24.6887, 47.7638



29.9294, 24.6887, 17.3352



19.8396, 24.6887, 13.1938

Rectangle

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



18.0071, 24.6887, 39.4136



22.5890, 24.6887, 52.4068



29.9294, 24.6887, 17.3352



24.3651, 24.6887, 11.3756

Sweetspot

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



18.0079, 24.6896, 39.4142



49.0170, 57.4924, 72.2660



14.0745, 27.1940, 6.1297



10.3897, 12.3441, 15.7726



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.0079, 24.6896, 39.4142



30.9880, 42.5149, 70.3253



9.8691, 8.4121, 36.7013



7.2128, 7.8846, 9.0448



13.1483, 18.0761, 29.7258



0.2931, 0.4135, 0.6302

Inverse Universe

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



21.2909, 10.7384, 29.8056



37.2919, 18.1270, 51.3368



20.9530, 18.6541, 3.2065



7.3324, 7.1894, 8.7368



15.7821, 7.6689, 21.8411



0.3401, 0.1645, 0.5037

Previews

White Background



This preview shows how the XYZ color 18.0071, 24.6887, 39.4136 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 18.0071, 24.6887, 39.4136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

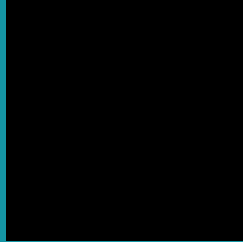
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.0071, 24.6887, 39.4136

Background



This preview shows how black text looks on a background with the XYZ color 18.0071, 24.6887, 39.4136.



This preview shows how white text looks on a background with the XYZ color 18.0071, 24.6887,

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

18.0071, 24.6887, 39.4136

Protanopia

23.9572, 24.3223, 34.4423

Deuteranopia

24.9090, 24.4649, 40.9455



Tritanopia

17.7309, 24.5672, 38.4578

Trichromacy



Original Color

18.0071, 24.6887, 39.4136

Protanomaly

20.0497, 23.5347, 36.2868

Deuteranomaly

20.6149, 23.5165, 40.4984

Tritanomaly

17.8566, 24.6216, 38.9333

Monochromacy



Original Color

18.0071, 24.6887, 39.4136

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.9340, 18.2931, 24.5736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0071, 24.6887, 39.4136 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(21, 150, 165)` looks like.

```
.text, #text, p{  
    color:rgb(21, 150, 165)  
}
```

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(21, 150, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 150, 165) }
```

Border

The CSS property to change the border of an element to XYZ 18.0071, 24.6887, 39.4136 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(21, 150, 165) }
```


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

```
.border{ border-color:rgb(21, 150, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 150, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 150, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 150, 165);  
box-shadow:4px 4px 4px 4px rgb(21, 150,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0071, 24.6887, 39.4136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 150, 165) }
```

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

```
.background{ background-color: rgb(21, 150,  
165) }
```

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