

Converting Colors

XYZ(18.6636, 24.5715, 1.6375)

Have a look what the booklet for
XYZ(18.6636, 24.5715, 1.6375)
contains.

XYZ(19.0265, 24.6136, 3.7481)	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(19.0265, 24.6136,
3.7481)**

Conversions

Conversions Part 1

Format	Color
Hex	819000
RGB	129, 144, 0
RGB Percent	51%, 56%, 0%
CMY	0.4941, 0.4353, 1.0000
CMYK	0.10, 0.00, 1.00, 0.44
HSL	66°, 100%, 28%
HSV	66°, 100%, 56%
XYZ	19.0265, 24.6136, 3.7481
YIQ	123.0990, 37.2840, -47.9640

Conversions

Conversions Part 2

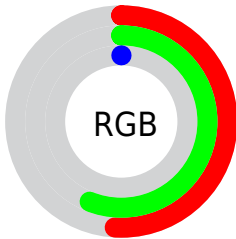
Format	Color
RYB	0, 144, 15
Decimal	8491008
CIELab	56.70, -20.86, 60.28
CIElCh	57, 63.787, 109.088
Yxy	24.6136, 0.4015, 0.5194
Android (android.graphics.Color)	4286681088 (0xFF819000)
YUV	123.0990, -60.6878, 5.1752
Hunter-Lab	49.6121, -18.3655, 30.2492

Details

The XYZ color **19.0265, 24.6136, 3.7481** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.2317, 2.1157, 26.5196**, and the grayscale version is **19.0459, 20.0378, 21.8212**.

A 20% lighter version of the original color is **41.3072, 51.1447, 13.4891**, and **6.9044, 9.5013, 1.4700** is the 20% darker color. If you saturate the color by 10%, you get **19.0268, 24.6146, 3.7483**, and if you desaturate by 10%, it is **19.3387, 24.7659, 4.1913**.

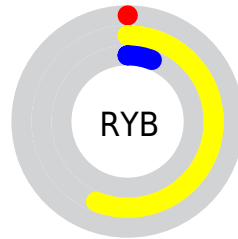
Distribution



Red (51%)

Green (56%)

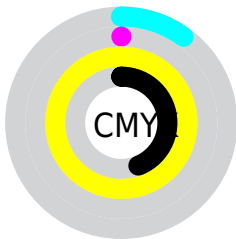
Blue (0%)



Red (0%)

Yellow (56%)

Blue (6%)

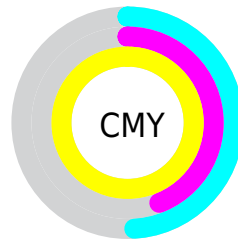


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (49%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0265, 24.6136, 3.7481 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 19.0265, 24.6136, 3.7481 by changing the saturation by 10% instead.

■ 19.0265, 24.6136,
3.7481

■ 19.0265, 24.6136,
3.7481

239.5303,
275.9081, 145.3830

■ 11.7935, 15.7894,
1.4882

■ 41.2954, 51.0297,
13.4245

■ 6.6745, 9.3753,
0.2091

■ 57.0621, 69.3903,
21.6781

■ 3.3039, 4.9867,
0.0000

■ 76.4040, 91.6986,
32.7666

■ 1.3164, 2.2395,
0.0000

■ 99.6866, 118.3389,
47.1087


■ 0.1955, 0.7414,
0.0000


■ 127.2751,
149.6956, 65.1228


■ 0.0000, 0.0000,
0.0000


■ 159.5350,


186.1531, 87.2276


 196.8316,
228.0958, 113.8414


 19.0265, 24.6136,
3.7481


 19.0265, 24.6136,
3.7481


 19.0268, 24.6146,
3.7483

 19.3387, 24.7659,
4.1913

 19.7091, 24.9410,
4.9256

 20.1659, 25.1510,
6.0978

 20.7196, 25.4002,
7.7622

 21.3790, 25.6921,
9.9654

■ 22.1519, 26.0297,
12.7484

■ 23.0453, 26.4159,
16.1483

■ 24.0658, 26.8534,
20.1992

■ 25.2193, 27.3445,
24.9325

Harmonies

Analogous

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



26.2046, 24.6136, 3.3558



19.0265, 24.6136, 3.7481



14.1734, 24.6136, 7.9424

Triad

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



19.0265, 24.6136, 3.7481



15.2299, 24.6136, 71.1381



40.4140, 24.6136, 35.3157

Complementary

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



19.0265, 24.6136, 3.7481



5.2317, 2.1157, 26.5196

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.



35.9375, 24.6136, 63.5192



19.0265, 24.6136, 3.7481



20.7929, 24.6136, 90.3978

Square

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



19.0265, 24.6136, 3.7481



12.3239, 24.6136, 42.5310



28.3845, 24.6136, 87.0441



39.6597, 24.6136, 15.5228

Rectangle

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



19.0265, 24.6136, 3.7481



12.4256, 24.6136, 14.6878



28.3845, 24.6136, 87.0441



39.4389, 24.6136, 44.2180

Sweetspot

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



19.0271, 24.6147, 3.7486



40.5398, 46.5440, 28.0738



11.6649, 6.2549, 0.5928



9.1554, 10.6127, 5.8943



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.0271, 24.6147, 3.7486



33.4747, 43.3697, 6.6069



11.6961, 20.8355, 3.4055



5.7850, 6.2573, 5.7922



16.5795, 21.4396, 3.2644



0.1688, 0.2103, 0.0317

Inverse Universe

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



5.2317, 2.1157, 26.5196



9.1553, 3.6940, 46.7685



8.9097, 4.0118, 26.6918



5.1785, 5.2802, 6.7750



4.5661, 1.8475, 23.0930



0.0519, 0.0219, 0.2212

Previews

White Background



This preview shows how the XYZ color 19.0265, 24.6136, 3.7481 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 19.0265, 24.6136, 3.7481 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 19.0265, 24.6136, 3.7481

Background



This preview shows how black text looks on a background with the XYZ color 19.0265, 24.6136, 3.7481.



This preview shows how white text looks on a background with the XYZ color 19.0265, 24.6136,

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

19.0265, 24.6136, 3.7481

Protanopia

21.9410, 24.3806, 3.5495

Deuteranopia

24.8097, 24.4244, 4.2709



Tritanopia

24.3744, 24.6393, 29.8567

Trichromacy



Original Color

19.0265, 24.6136, 3.7481

Protanomaly

20.7342, 24.3945, 3.6158

Deuteranomaly

22.3216, 24.1526, 3.9374

Tritanomaly

21.1736, 24.1839, 13.6772

Monochromacy



Original Color

19.0265, 24.6136, 3.7481

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.9489, 21.1426, 10.3427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0265, 24.6136, 3.7481 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(129, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 144, 0)  
}
```

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(129, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 144, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.0265, 24.6136, 3.7481 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(129, 144, 0) }
```


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

```
.border{ border-color:rgb(129, 144, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 144, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 144,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0265, 24.6136, 3.7481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 144, 0) }
```

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

```
.background{ background-color: rgb(129,  
144, 0) }
```

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