

Converting Colors

XYZ(18.2254, 29.7784, 23.1069)

Have a look what the booklet for
XYZ(18.2254, 29.7784, 23.1069)
contains.

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Color

**XYZ(18.2430, 29.7855,
23.2000)**

Conversions

Conversions Part 1

Format	Color
Hex	24A87A
RGB	36, 168, 122
RGB Percent	14%, 66%, 48%
CMY	0.8588, 0.3412, 0.5216
CMYK	0.79, 0.00, 0.27, 0.34
HSL	159°, 65%, 40%
HSV	159°, 79%, 66%
XYZ	18.2430, 29.7855, 23.2000
YIQ	123.2880, -63.9060, -42.2900

Conversions

Conversions Part 2

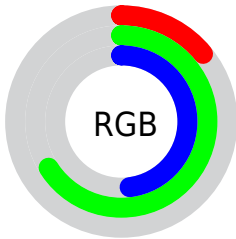
Format	Color
R_{YB}	36, 116, 168
Decimal	2402426
CIE _{Lab}	61.47, -45.50, 14.11
CIE _{LCh}	61, 47.637, 162.769
Yxy	29.7855, 0.2561, 0.4182
Android (android.graphics.Color)	4280592506 (0xFF24A87A)
YUV	123.2880, -0.6350, -76.5516
Hunter-Lab	54.5761, -35.8415, 12.9994

Details

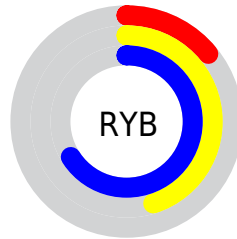
The XYZ color **18.2430, 29.7855, 23.2000** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.3032, 10.1964, 8.9870**, and the grayscale version is **18.9398, 19.9261, 21.6995**.

A 20% lighter version of the original color is **39.9870, 59.2900, 49.8940**, and **7.3333, 12.7425, 8.3764** is the 20% darker color. If you saturate the color by 10%, you get **17.4366, 29.4112, 21.3257**, and if you desaturate by 10%, it is **19.3479, 30.3127, 25.2037**.

Distribution



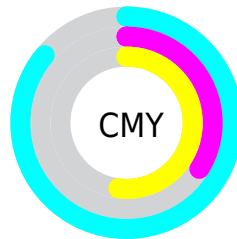
- Red (14%)
- Green (66%)
- Blue (48%)



- Red (14%)
- Yellow (45%)
- Blue (66%)



- Cyan (79%)
- Magenta (0%)
- Yellow (27%)
- Black (34%)





- Cyan (86%)
- Magenta (34%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2430, 29.7855, 23.2000 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 18.2430, 29.7855, 23.2000 by changing the saturation by 10% instead.


 18.2430, 29.7855,
23.2000


 18.2430, 29.7855,
23.2000


235.2563,
300.9033, 281.9057


 11.2253, 19.6758,
14.5346


 39.9778, 59.3228,
49.6489


 6.2870, 12.1596,
8.3504


 55.4256, 79.5192,
68.2694


 3.0627, 6.8525,
4.2290


 74.4143, 103.8467,
91.0454

 1.1870, 3.3700,
1.7518

 97.3090, 132.6896,
118.3953

 0.0961, 1.3278,
0.3959

 124.4752,
166.4323, 150.7378

 0.0000, 0.1626,
0.0000

 156.2783,

 0.0000, 0.0000,

205.4592, 188.4913

0.0000

193.0835,
250.1548, 232.0744

■ 18.2430, 29.7855,
23.2000

■ 18.2430, 29.7855,
23.2000

■ 17.4366, 29.4112,
21.3257

■ 19.3479, 30.3127,
25.2037

■ 16.8637, 29.1540,
19.5738

■ 20.7834, 31.0070,
27.3383

■ 16.7880, 29.1203,
19.3326

■ 22.5799, 31.8847,
29.6078

■ 24.7636, 32.9594,
32.0152

■ 27.3579, 34.2431,
34.5634

■ 30.3848, 35.7471,
37.2552

■ 33.8642, 37.4816,
40.0933

■ 37.8150, 39.4563,
43.0803

■ 42.2551, 41.6804,
46.2187

Harmonies

Analogous

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



20.8541, 29.7855, 13.0454



18.2430, 29.7855, 23.2000



18.0614, 29.7855, 40.7211

Triad

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



18.2430, 29.7855, 23.2000



31.0735, 29.7855, 79.4093



38.1688, 29.7855, 14.1144

Complementary

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



18.2430, 29.7855, 23.2000



18.3032, 10.1964, 8.9870

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.



41.8471, 29.7855, 25.3507



18.2430, 29.7855, 23.2000



37.3604, 29.7855, 65.1560

Square

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



18.2430, 29.7855, 23.2000



24.8706, 29.7855, 78.1457



41.5311, 29.7855, 43.8347



32.0532, 29.7855, 9.2966

Rectangle

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



18.2430, 29.7855, 23.2000



19.2954, 29.7855, 55.0716



41.5311, 29.7855, 43.8347



39.7693, 29.7855, 17.0422

Sweetspot

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



18.2438, 29.7867, 23.2007



51.8138, 63.2142, 64.7031



17.8190, 29.9367, 6.5085



10.8995, 13.5825, 13.7437



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.2438, 29.7867, 23.2007



30.8808, 53.0275, 36.4012



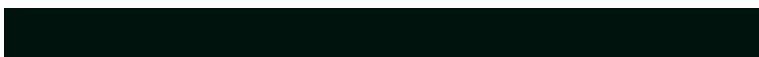
18.4176, 24.4460, 40.7951



7.6348, 8.4870, 9.0631



12.7020, 21.9996, 14.7296



0.3318, 0.5444, 0.4783

Inverse Universe

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



18.3032, 10.1964, 8.9870



31.0893, 16.0544, 10.0541



17.8722, 11.2619, 2.9011



7.6350, 7.5839, 8.3953



12.8042, 6.5304, 3.7807



0.3356, 0.1685, 0.2190

Previews

White Background



This preview shows how the XYZ color 18.2430, 29.7855, 23.2000 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 18.2430, 29.7855, 23.2000 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 18.2430, 29.7855, 23.2000

Background



This preview shows how black text looks on a background with the XYZ color 18.2430, 29.7855, 23.2000.



This preview shows how white text looks on a background with the XYZ color 18.2430, 29.7855,

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

18.2430, 29.7855, 23.2000

Protanopia

27.2630, 29.2054, 19.5295

Deuteranopia

29.9315, 29.3395, 24.5076



Tritanopia

22.4992, 29.6357, 44.5788

Trichromacy



Original Color

18.2430, 29.7855, 23.2000



Protanomaly

21.6838, 28.2144, 20.8261



Deuteranomaly

22.7177, 27.7045, 23.8888



Tritanomaly

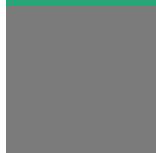
20.7132, 29.7017, 35.6517

Monochromacy



Original Color

18.2430, 29.7855, 23.2000



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

17.1222, 22.1194, 22.1059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2430, 29.7855, 23.2000 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(36, 168, 122)` looks like.

```
.text, #text, p{  
    color:rgb(36, 168, 122)  
}
```

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(36, 168, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 168, 122) }
```

Border

The CSS property to change the border of an element to XYZ 18.2430, 29.7855, 23.2000 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(36, 168, 122) }
```


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

```
.border{ border-color:rgb(36, 168, 122) }
```

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

Here you see how a box with a 4 pixel rgb(36, 168, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 168, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 168, 122);  
box-shadow:4px 4px 4px 4px rgb(36, 168,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2430, 29.7855, 23.2000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 168, 122) }
```

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

```
.background{ background-color: rgb(36, 168,  
122) }
```

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](#).

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