

Converting Colors

XYZ(18.5701, 30.1805, 24.2595)

Have a look what the booklet for
XYZ(18.5701, 30.1805, 24.2595)
contains.

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Color

**XYZ(18.5828, 30.2139,
24.2545)**

Conversions

Conversions Part 1

Format	Color
Hex	23A97D
RGB	35, 169, 125
RGB Percent	14%, 66%, 49%
CMY	0.8627, 0.3372, 0.5098
CMYK	0.79, 0.00, 0.26, 0.34
HSL	160°, 66%, 40%
HSV	160°, 79%, 66%
XYZ	18.5828, 30.2139, 24.2545
YIQ	123.9180, -65.7400, -42.0920

Conversions

Conversions Part 2

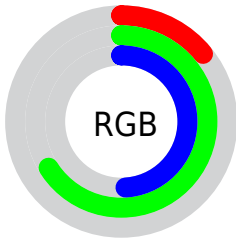
Format	Color
RYB	35, 115, 169
Decimal	2337149
CIELab	61.84, -45.31, 12.97
CIELCh	62, 47.131, 164.032
Yxy	30.2139, 0.2544, 0.4136
Android (android.graphics.Color)	4280527229 (0xFF23A97D)
YUV	123.9180, 0.5334, -77.9811
Hunter-Lab	54.9672, -35.8469, 12.3151

Details

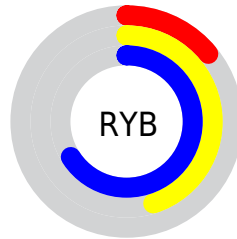
The XYZ color **18.5828, 30.2139, 24.2545** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.3756, 10.2024, 8.3995**, and the grayscale version is **19.1459, 20.1430, 21.9357**.

A 20% lighter version of the original color is **40.5546, 59.9483, 51.5532**, and **7.5499, 13.0126, 8.9512** is the 20% darker color. If you saturate the color by 10%, you get **17.7969, 29.8494, 22.4189**, and if you desaturate by 10%, it is **19.6663, 30.7311, 26.2088**.

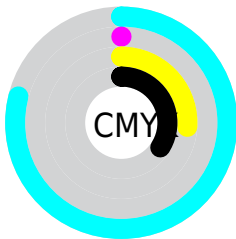
Distribution



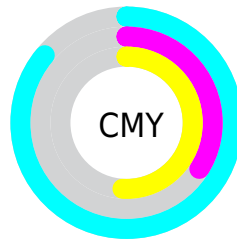
- Red (14%)
- Green (66%)
- Blue (49%)



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



- Cyan (79%)
- Magenta (0%)
- Yellow (26%)
- Black (34%)



- Cyan (86%)
- Magenta (34%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5828, 30.2139, 24.2545 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 18.5828, 30.2139, 24.2545 by changing the saturation by 10% instead.

■ 18.5828, 30.2139,
24.2545

■ 18.5828, 30.2139,
24.2545

237.1184,
302.9002, 287.4325

■ 11.4714, 20.0010,
15.3086

■ 40.5503, 60.0003,
51.3942

■ 6.4545, 12.3958,
8.8872

■ 56.1371, 80.3426,
70.4251

■ 3.1666, 7.0138,
4.5719

■ 75.2798, 104.8301,
93.6547

■ 1.2425, 3.4707,
1.9440

■ 98.3436, 133.8472,
121.5016

■ 0.1395, 1.3822,
0.5205

■ 125.6941,
167.7784, 154.3842

■ 0.0000, 0.2035,
0.0000

■ 157.6964,

■ 0.0000, 0.0000,

207.0081, 192.7213

0.0000

194.7161,
251.9205, 236.9312

■ 18.5828, 30.2139,
24.2545

■ 18.5828, 30.2139,
24.2545

■ 17.7969, 29.8494,
22.4189

■ 19.6663, 30.7311,
26.2088

■ 17.2353, 29.5974,
20.6949

■ 21.0802, 31.4156,
28.2829

■ 17.1977, 29.5806,
20.5758

■ 22.8557, 32.2840,
30.4807

■ 25.0193, 33.3503,
32.8048

■ 27.5953, 34.6266,
35.2580

■ 30.6057, 36.1244,
37.8427

■ 34.0710, 37.8542,
40.5615

■ 38.0103, 39.8259,
43.4166

■ 42.4416, 42.0487,
46.4102

Harmonies

Analogous

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



21.1002, 30.2139, 13.7412



18.5828, 30.2139, 24.2545



18.5038, 30.2139, 42.0376

Triad

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



18.5828, 30.2139, 24.2545



31.7529, 30.2139, 79.2809



38.3266, 30.2139, 14.2091

Complementary

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



18.5828, 30.2139, 24.2545



18.3756, 10.2024, 8.3995

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.



42.1313, 30.2139, 25.1892



18.5828, 30.2139, 24.2545



37.9772, 30.2139, 64.6375

Square

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



18.5828, 30.2139, 24.2545



25.5151, 30.2139, 78.7375



41.9948, 30.2139, 43.3834



32.1770, 30.2139, 9.5600

Rectangle

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



18.5828, 30.2139, 24.2545



19.8103, 30.2139, 56.3578



41.9948, 30.2139, 43.3834



39.9597, 30.2139, 17.0629

Sweetspot

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



18.5836, 30.2151, 24.2552



51.9388, 63.2642, 65.3613



17.7726, 30.1896, 6.4811



10.9301, 13.5948, 13.9046



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.



18.5836, 30.2151, 24.2552



31.1242, 53.1213, 37.8433



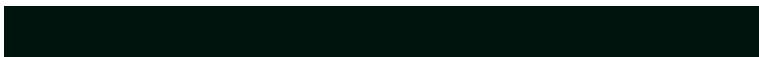
18.2375, 23.9871, 41.2062



7.6412, 8.4895, 9.0967



12.8423, 22.0557, 15.4683



0.3345, 0.5454, 0.4926

Inverse Universe

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



18.3756, 10.2024, 8.3995



30.8481, 15.9152, 8.9154



18.1462, 11.5167, 2.8572



7.6289, 7.5814, 8.3630



12.7399, 6.5047, 3.4421



0.3334, 0.1676, 0.2071

Previews

White Background



This preview shows how the XYZ color 18.5828, 30.2139, 24.2545 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 18.5828, 30.2139, 24.2545 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 ✓ Pass

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

XYZ 18.5828, 30.2139, 24.2545

Background



This preview shows how black text looks on a background with the XYZ color 18.5828, 30.2139, 24.2545.



This preview shows how white text looks on a background with the XYZ color 18.5828, 30.2139,

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

18.5828, 30.2139, 24.2545

Protanopia

27.7850, 29.6867, 20.4853

Deuteranopia

30.2814, 29.7186, 25.6130



Tritanopia

22.8067, 30.0320, 45.6690

Trichromacy



Original Color

18.5828, 30.2139, 24.2545



Protanomaly

22.0283, 28.6196, 21.8159



Deuteranomaly

22.9364, 28.0345, 24.9712



Tritanomaly

21.0091, 30.1015, 36.6012

Monochromacy



Original Color

18.5828, 30.2139, 24.2545



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.4298, 22.4867, 22.4905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5828, 30.2139, 24.2545 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(35, 169, 125)` looks like.

```
.text, #text, p{  
    color:rgb(35, 169, 125)  
}
```

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(35, 169, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 169, 125) }
```

Border

The CSS property to change the border of an element to XYZ 18.5828, 30.2139, 24.2545 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(35, 169, 125) }
```


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

```
.border{ border-color:rgb(35, 169, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 169, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 169, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 169, 125);  
box-shadow:4px 4px 4px 4px rgb(35, 169,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5828, 30.2139, 24.2545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 169, 125) }
```

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

```
.background{ background-color: rgb(35, 169,  
125) }
```

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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