

Converting Colors

XYZ(18.2490, 24.9774, 21.3764)

Have a look what the booklet for
XYZ(18.2490, 24.9774, 21.3764)
contains.

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Color

**XYZ(18.1970, 24.9506,
21.3096)**

Conversions

Conversions Part 1

Format	Color
Hex	599577
RGB	89, 149, 119
RGB Percent	35%, 58%, 47%
CMY	0.6510, 0.4157, 0.5333
CMYK	0.40, 0.00, 0.20, 0.42
HSL	150°, 25%, 47%
HSV	150°, 40%, 58%
XYZ	18.1970, 24.9506, 21.3096
YIQ	127.6400, -26.1300, -22.0500

Conversions

Conversions Part 2

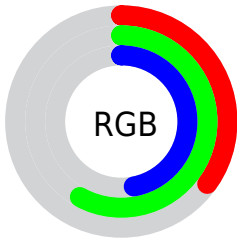
Format	Color
R_{YB}	89, 129, 149
Decimal	5870967
CIE _{Lab}	57.03, -26.60, 9.79
CIE _{LCh}	57, 28.342, 159.791
Yxy	24.9506, 0.2823, 0.3871
Android (android.graphics.Color)	4284061047 (0xFF599577)
YUV	127.6400, -4.2595, -33.8873
Hunter-Lab	49.9506, -22.3859, 9.6715

Details

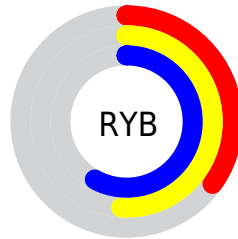
The XYZ color **18.1970, 24.9506, 21.3096** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.2974, 14.8668, 19.3062**, and the grayscale version is **20.4144, 21.4776, 23.3891**.

A 20% lighter version of the original color is **39.6911, 51.3149, 46.3409**, and **6.3043, 9.6024, 7.4824** is the 20% darker color. If you saturate the color by 10%, you get **16.4794, 24.1155, 18.9846**, and if you desaturate by 10%, it is **20.2405, 25.9510, 23.8340**.

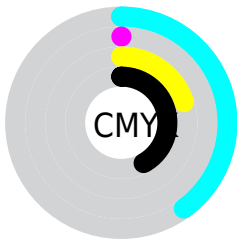
Distribution



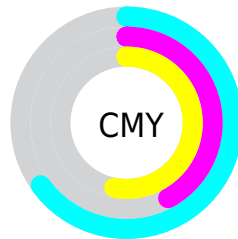
- Red (35%)
- Green (58%)
- Blue (47%)



- Red (35%)
- Yellow (51%)
- Blue (58%)



- Cyan (40%)
- Magenta (0%)
- Yellow (20%)
- Black (42%)



- Cyan (65%)
- Magenta (42%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1970, 24.9506, 21.3096 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 18.1970, 24.9506, 21.3096 by changing the saturation by 10% instead.

■ 18.1970, 24.9506,
21.3096

■ 18.1970, 24.9506,
21.3096

235.0033,
277.5918, 271.7542

■ 11.1921, 16.0403,
13.1571

■ 39.9002, 51.5771,
46.4897

■ 6.2644, 9.5526,
7.4048

■ 55.3291, 70.0620,
64.3543

■ 3.0487, 5.1034,
3.6343

■ 74.2968, 92.5072,
86.2934

■ 1.1796, 2.3080,
1.4269

■ 97.1685, 119.2971,
112.7254

■ 0.0901, 0.7780,
0.1626

124.3097,
150.8162, 144.0690

■ 0.0000, 0.0000,
0.0000

156.0856,

187.4487, 180.7426

192.8617,
229.5791, 223.1648

■ 18.1970, 24.9506,
21.3096

■ 18.1970, 24.9506,
21.3096

■ 16.4794, 24.1155,
18.9846

■ 20.2405, 25.9510,
23.8340

■ 15.0672, 23.4332,
16.8524

■ 22.6247, 27.1222,
26.5611

■ 13.9409, 22.8945,
14.9082


■ 25.3660, 28.4733,
29.4959


■ 13.0775, 22.4875,
13.1465


■ 28.4789, 30.0116,
32.6430


■ 12.4503, 22.1986,
11.5613


■ 31.9775, 31.7444,
36.0068

 12.0008, 21.9969,
10.1804

 35.8746, 33.6781,
39.5914

 40.1829, 35.8193,
43.4008

 44.9142, 38.1739,
47.4392

 50.0800, 40.7477,
51.7102

Harmonies

Analogous

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



19.8469, 24.9506, 15.3681



18.1970, 24.9506, 21.3096



17.9459, 24.9506, 30.4077

Triad

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



18.1970, 24.9506, 21.3096



24.8209, 24.9506, 49.5520



28.9853, 24.9506, 17.0361

Complementary

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



18.1970, 24.9506, 21.3096



19.2974, 14.8668, 19.3062

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.



30.6039, 24.9506, 24.1650



18.1970, 24.9506, 21.3096



28.0552, 24.9506, 43.8421

Square

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



18.1970, 24.9506, 21.3096



21.5701, 24.9506, 48.2761



30.2485, 24.9506, 34.0099



25.9972, 24.9506, 13.3314

Rectangle

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



18.1970, 24.9506, 21.3096



18.5787, 24.9506, 37.3392



30.2485, 24.9506, 34.0099



29.7197, 24.9506, 19.0335

Sweetspot

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



18.1977, 24.9516, 21.3102



44.4040, 50.4859, 51.7535



20.2971, 26.2103, 13.4408



9.7127, 11.1253, 11.3344



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.1977, 24.9516, 21.3102



29.8781, 43.3640, 34.5172



20.2133, 25.7579, 31.9245



5.8433, 6.5139, 6.7855



10.1150, 18.5188, 8.6469



0.1387, 0.2326, 0.1840

Inverse Universe

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



19.2974, 14.8668, 19.3062



32.1180, 22.8225, 30.4353



17.8129, 14.2730, 11.4893



5.9145, 5.8609, 6.6558



11.5012, 5.8056, 6.1206



0.1556, 0.0770, 0.1531

Previews

White Background



This preview shows how the XYZ color 18.1970, 24.9506, 21.3096 looks on a white background.

Color Contrast Check

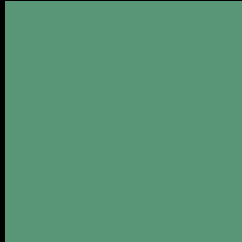
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1970, 24.9506, 21.3096 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 18.1970, 24.9506, 21.3096

Background



This preview shows how black text looks on a background with the XYZ color 18.1970, 24.9506, 21.3096.



This preview shows how white text looks on a background with the XYZ color 18.1970, 24.9506,

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

18.1970, 24.9506, 21.3096

Protanopia

23.2864, 24.7299, 19.1688

Deuteranopia

25.0179, 24.5327, 22.1556



Tritanopia

21.0110, 24.9435, 35.1597

Trichromacy



Original Color

18.1970, 24.9506, 21.3096

Protanomaly

20.9316, 24.5726, 19.8594

Deuteranomaly

21.8073, 24.3279, 21.9587

Tritanomaly

19.9561, 24.9738, 29.7552

Monochromacy



Original Color

18.1970, 24.9506, 21.3096

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.4453, 22.6664, 22.7522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1970, 24.9506, 21.3096 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(89, 149, 119)` looks like.

```
.text, #text, p{  
    color:rgb(89, 149, 119)  
}
```

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(89, 149, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 149, 119) }
```

Border

The CSS property to change the border of an element to XYZ 18.1970, 24.9506, 21.3096 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(89, 149, 119) }
```


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

```
.border{ border-color:rgb(89, 149, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 149, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 149, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 149, 119);  
box-shadow:4px 4px 4px 4px rgb(89, 149,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1970, 24.9506, 21.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 149, 119) }
```

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

```
.background{ background-color: rgb(89, 149,  
119) }
```

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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