

Converting Colors

XYZ(12.9546, 19.4733, 8.6619)

Have a look what the booklet for
XYZ(12.9546, 19.4733, 8.6619)
contains.

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Color

**XYZ(12.9626, 19.4199,
8.6954)**

Conversions

Conversions Part 1

Format	Color
Hex	4F8745
RGB	79, 135, 69
RGB Percent	31%, 53%, 27%
CMY	0.6902, 0.4706, 0.7294
CMYK	0.41, 0.00, 0.49, 0.47
HSL	111°, 32%, 40%
HSV	111°, 49%, 53%
XYZ	12.9626, 19.4199, 8.6954
YIQ	110.7320, -12.1900, -32.3980

Conversions

Conversions Part 2

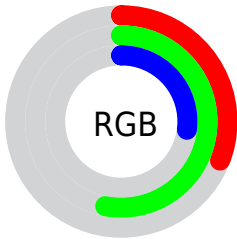
Format	Color
RYB	69, 135, 125
Decimal	5211973
CIELab	51.17, -32.18, 29.69
CIElCh	51, 43.784, 137.302
Yxy	19.4199, 0.3156, 0.4728
Android (android.graphics.Color)	4283402053 (0xFF4F8745)
YUV	110.7320, -20.5739, -27.8290
Hunter-Lab	44.0680, -24.6133, 19.1486

Details

The XYZ color **12.9626, 19.4199, 8.6954** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.9597, 10.3661, 24.1351**, and the grayscale version is **15.0924, 15.8784, 17.2916**.

A 20% lighter version of the original color is **30.8874, 42.5524, 24.0383**, and **3.8453, 6.7879, 1.8666** is the 20% darker color. If you saturate the color by 10%, you get **11.7183, 18.8221, 6.6932**, and if you desaturate by 10%, it is **14.4674, 20.1422, 11.2085**.

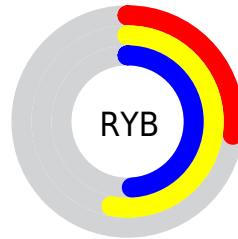
Distribution



Red (31%)

Green (53%)

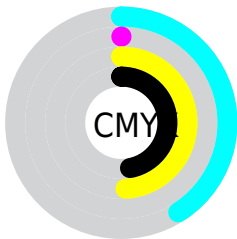
Blue (27%)



Red (27%)

Yellow (53%)

Blue (49%)

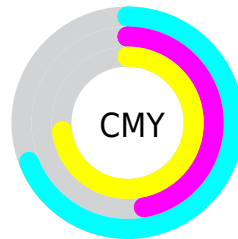


Cyan (41%)

Magenta (0%)

Yellow (49%)

Black (47%)



Cyan (69%)

Magenta (47%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9626, 19.4199, 8.6954 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 12.9626, 19.4199, 8.6954 by changing the saturation by 10% instead.

■ 12.9626, 19.4199,
8.6954

■ 12.9626, 19.4199,
8.6954

204.3203,
248.7571, 191.2227

■ 7.4796, 11.9741,
4.4490

■ 30.8385, 42.4424,
23.8791

■ 3.8128, 6.7260,
1.8747

■ 43.9621, 58.7879,
35.6535

■ 1.5968, 3.2914,
0.4766

■ 60.3632, 78.8688,
50.7742

■ 0.3903, 1.2857,
0.0000

■ 80.4073, 103.0694,
69.6599

■ 0.0000, 0.1301,
0.0000

■ 104.4598,
131.7741, 92.7291

■ 0.0000, 0.0000,
0.0000

132.8858,

165.3674, 120.4002

166.0509,
204.2336, 153.0919

■ 12.9626, 19.4199,
8.6954

■ 12.9626, 19.4199,
8.6954

■ 11.7183, 18.8221,
6.6932

■ 14.4674, 20.1422,
11.2085

■ 10.7182, 18.3393,
5.1655

■ 16.2451, 20.9929,
14.2627

■ 9.9462, 17.9647,
4.0736


■ 18.3090, 21.9787,
17.8876


■ 9.3836, 17.6896,
3.3718


■ 20.6710, 23.1054,
22.1101


■ 8.9974, 17.4995,
2.9466


■ 23.3423, 24.3780,
26.9556

 8.9622, 17.4823,
2.9021

 26.3338, 25.8017,
32.4478

 29.6554, 27.3811,
38.6095

 33.3171, 29.1209,
45.4619

 37.3280, 31.0253,
53.0257

Harmonies

Analogous

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



16.0780, 19.4199, 5.5187



12.9626, 19.4199, 8.6954



11.4351, 19.4199, 16.2996

Triad

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



12.9626, 19.4199, 8.6954



16.6779, 19.4199, 54.2281



27.6624, 19.4199, 14.7846

Complementary

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



12.9626, 19.4199, 8.6954



14.9597, 10.3661, 24.1351

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.



27.8910, 19.4199, 26.8664



12.9626, 19.4199, 8.6954



21.0621, 19.4199, 53.2992

Square

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



12.9626, 19.4199, 8.6954



13.3421, 19.4199, 44.1200



25.3213, 19.4199, 41.9327



24.7386, 19.4199, 7.9636

Rectangle

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



12.9626, 19.4199, 8.6954



11.3359, 19.4199, 24.3418



25.3213, 19.4199, 41.9327



28.0717, 19.4199, 18.2411

Sweetspot

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



12.9631, 19.4207, 8.6958



34.2270, 40.0454, 34.5933



18.2744, 19.9968, 8.5271



7.7522, 9.1909, 7.7010



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.9631, 19.4207, 8.6958



20.7016, 33.5689, 11.5431



13.0071, 19.3494, 12.9472



4.6772, 5.2361, 4.9935



8.2717, 16.1242, 2.6763



0.0325, 0.0578, 0.0095

Inverse Universe

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



14.9597, 10.3661, 24.1351



24.6998, 15.2820, 42.6963



15.1011, 10.5999, 16.8736



4.7905, 4.7281, 5.8609



10.5065, 4.9504, 21.5385



0.0411, 0.0196, 0.0748

Previews

White Background



This preview shows how the XYZ color 12.9626, 19.4199, 8.6954 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 12.9626, 19.4199, 8.6954 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 12.9626, 19.4199, 8.6954

Background



This preview shows how black text looks on a background with the XYZ color 12.9626, 19.4199, 8.6954.



This preview shows how white text looks on a background with the XYZ color 12.9626, 19.4199,

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

12.9626, 19.4199, 8.6954

Protanopia

17.5943, 19.1132, 7.6124

Deuteranopia

19.5140, 19.1882, 9.1538



Tritanopia

16.5904, 19.2890, 26.8935

Trichromacy



Original Color

12.9626, 19.4199, 8.6954

Protanomaly

15.3837, 18.8925, 7.9901

Deuteranomaly

16.2787, 18.7714, 8.8961

Tritanomaly

14.8937, 19.1838, 18.5406

Monochromacy



Original Color

12.9626, 19.4199, 8.6954

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

13.9734, 16.9301, 13.5977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9626, 19.4199, 8.6954 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(79, 135, 69)` looks like.

```
.text, #text, p{  
    color:rgb(79, 135, 69)  
}
```

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(79, 135, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 135, 69) }
```

Border

The CSS property to change the border of an element to XYZ 12.9626, 19.4199, 8.6954 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(79, 135, 69) }
```


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

```
.border{ border-color:rgb(79, 135, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 135, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 135, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 135, 69);  
box-shadow:4px 4px 4px 4px rgb(79, 135,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9626, 19.4199, 8.6954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 135, 69) }
```

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

```
.background{ background-color: rgb(79, 135,  
69) }
```

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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