

Converting Colors

XYZ(13.5058, 19.7490, 7.9134)

Have a look what the booklet for
XYZ(13.5058, 19.7490, 7.9134)
contains.

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Color

**XYZ(13.5199, 19.7243,
7.9451)**

Conversions

Conversions Part 1

Format	Color
Hex	578740
RGB	87, 135, 64
RGB Percent	34%, 53%, 25%
CMY	0.6588, 0.4706, 0.7490
CMYK	0.36, 0.00, 0.53, 0.47
HSL	101°, 36%, 39%
HSV	101°, 53%, 53%
XYZ	13.5199, 19.7243, 7.9451
YIQ	112.5540, -5.8170, -32.2570

Conversions

Conversions Part 2

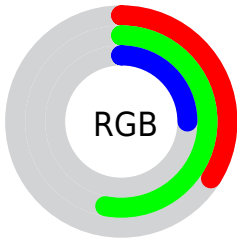
Format	Color
RYB	64, 135, 112
Decimal	5736256
CIELab	51.52, -30.05, 32.85
CIELCh	52, 44.516, 132.452
Yxy	19.7243, 0.3282, 0.4789
Android (android.graphics.Color)	4283926336 (0xFF578740)
YUV	112.5540, -23.9371, -22.4109
Hunter-Lab	44.4120, -23.3822, 20.4817

Details

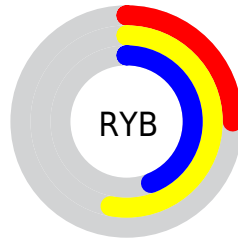
The XYZ color **13.5199, 19.7243, 7.9451** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.8894, 8.8614, 23.9537**, and the grayscale version is **15.6342, 16.4484, 17.9123**.

A 20% lighter version of the original color is **31.8823, 43.0991, 22.5582**, and **4.0696, 6.9095, 1.6094** is the 20% darker color. If you saturate the color by 10%, you get **12.3825, 19.1777, 6.1237**, and if you desaturate by 10%, it is **14.8591, 20.3654, 10.2623**.

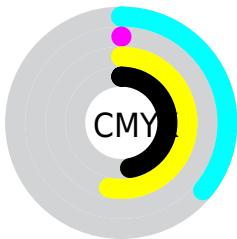
Distribution



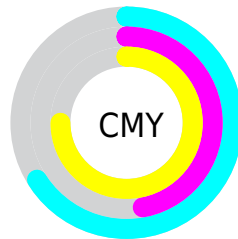
- Red (34%)
- Green (53%)
- Blue (25%)



- Red (25%)
- Yellow (53%)
- Blue (44%)



- Cyan (36%)
- Magenta (0%)
- Yellow (53%)
- Black (47%)



- Cyan (66%)
- Magenta (47%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5199, 19.7243, 7.9451 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 13.5199, 19.7243, 7.9451 by changing the saturation by 10% instead.

■ 13.5199, 19.7243,
7.9451

■ 13.5199, 19.7243,
7.9451

207.7942,
250.4187, 185.2193

■ 7.8670, 12.1948,
3.9726

■ 31.8281, 42.9545,
22.3951

■ 4.0610, 6.8765,
1.6103

■ 45.2141, 59.4239,
33.7097

■ 1.7367, 3.3850,
0.2982

■ 61.9086, 79.6421,
48.3088

■ 0.4791, 1.3359,
0.0000

■ 82.2768, 103.9935,
66.6107

■ 0.0000, 0.1687,
0.0000

■ 106.6841,
132.8625, 89.0343

■ 0.0000, 0.0000,
0.0000

■ 135.4958,

166.6334, 115.9978

169.0774,
205.6907, 147.9200

■ 13.5199, 19.7243,
7.9451

■ 13.5199, 19.7243,
7.9451

■ 12.3825, 19.1777,
6.1237

■ 14.8591, 20.3654,
10.2623

■ 11.4346, 18.7182,
4.7607

■ 16.4085, 21.1028,
13.1065

■ 10.6646, 18.3414,
3.8154

■ 18.1779, 21.9415,
16.5081

■ 10.0589, 18.0413,
3.2393

■ 20.1760, 22.8854,
20.4944

■ 9.6915, 17.8582,
2.9362

■ 22.4109, 23.9381,
25.0914

■ 24.8903, 25.1031,
30.3230

■ 27.6217, 26.3836,
36.2123

■ 30.6120, 27.7829,
42.7810

■ 33.8681, 29.3039,
50.0498

Harmonies

Analogous

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



16.9530, 19.7243, 5.2842



13.5199, 19.7243, 7.9451



11.6834, 19.7243, 14.8720

Triad

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



13.5199, 19.7243, 7.9451



16.2716, 19.7243, 54.5705



28.4641, 19.7243, 16.5902

Complementary

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



13.5199, 19.7243, 7.9451



12.8894, 8.8614, 23.9537

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.



28.2035, 19.7243, 29.7934



13.5199, 19.7243, 7.9451



20.6640, 19.7243, 55.6329

Square

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



13.5199, 19.7243, 7.9451



13.0897, 19.7243, 42.7660



25.1736, 19.7243, 45.2645



25.8376, 19.7243, 8.7703

Rectangle

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



13.5199, 19.7243, 7.9451



11.3995, 19.7243, 22.5478



25.1736, 19.7243, 45.2645



28.7218, 19.7243, 20.4395

Sweetspot

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



13.5204, 19.7251, 7.9455



34.7333, 40.3226, 33.8856



16.6387, 16.9636, 7.2481



7.8968, 9.2688, 7.5539



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.



13.5204, 19.7251, 7.9455



21.8404, 34.1811, 10.4630



12.0776, 18.9383, 9.8264



4.7479, 5.2726, 4.9968



8.9493, 16.4735, 2.7080



0.0380, 0.0607, 0.0097

Inverse Universe

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



12.8894, 8.8614, 23.9537



20.5502, 12.5041, 42.3788



15.4114, 10.2524, 19.9611



4.7151, 4.6892, 5.8574



8.0499, 3.6840, 21.4235



0.0356, 0.0167, 0.0746

Previews

White Background



This preview shows how the XYZ color 13.5199, 19.7243, 7.9451 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 13.5199, 19.7243, 7.9451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

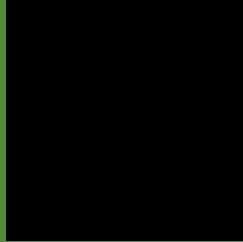
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.5199, 19.7243, 7.9451

Background



This preview shows how black text looks on a background with the XYZ color 13.5199, 19.7243, 7.9451.



This preview shows how white text looks on a background with the XYZ color 13.5199, 19.7243,

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

13.5199, 19.7243, 7.9451

Protanopia

17.7668, 19.3962, 7.0824

Deuteranopia

19.8299, 19.5418, 8.3570



Tritanopia

17.2503, 19.6375, 26.5481

Trichromacy



Original Color

13.5199, 19.7243, 7.9451

Protanomaly

15.9029, 19.3672, 7.3150

Deuteranomaly

16.8250, 19.2562, 8.1402

Tritanomaly

15.5164, 19.5239, 17.7025

Monochromacy



Original Color

13.5199, 19.7243, 7.9451

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.6119, 17.4440, 13.4234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5199, 19.7243, 7.9451 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(87, 135, 64)` looks like.

```
.text, #text, p{  
    color:rgb(87, 135, 64)  
}
```

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(87, 135, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 135, 64) }
```

Border

The CSS property to change the border of an element to XYZ 13.5199, 19.7243, 7.9451 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(87, 135, 64) }
```


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

```
.border{ border-color:rgb(87, 135, 64) }
```

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

Here you see how a box with a 4 pixel rgb(87, 135, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 135, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 135, 64);  
box-shadow:4px 4px 4px 4px rgb(87, 135,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5199, 19.7243, 7.9451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 135, 64) }
```

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

```
.background{ background-color: rgb(87, 135,  
64) }
```

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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