

Converting Colors

XYZ(13.1891, 19.9906, 7.1664)

Have a look what the booklet for
XYZ(13.1891, 19.9906, 7.1664)
contains.

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Color

**XYZ(13.1891, 19.9906,
7.1664)**

Conversions

Conversions Part 1

Format	Color
Hex	52893A
RGB	82, 137, 58
RGB Percent	32%, 54%, 23%
CMY	0.6784, 0.4627, 0.7725
CMYK	0.40, 0.00, 0.58, 0.46
HSL	102°, 41%, 38%
HSV	102°, 58%, 54%
XYZ	13.1891, 19.9906, 7.1664
YIQ	111.5490, -7.4210, -36.2290

Conversions

Conversions Part 2

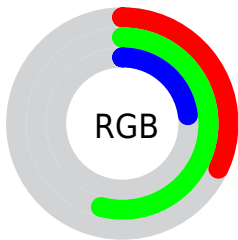
Format	Color
RYB	58, 137, 113
Decimal	5409082
CIELab	51.83, -33.50, 36.19
CIELCh	52, 49.315, 132.786
Yxy	19.9906, 0.3269, 0.4955
Android (android.graphics.Color)	4283599162 (0xFF52893A)
YUV	111.5490, -26.3997, -25.9145
Hunter-Lab	44.7108, -25.5889, 21.7944

Details

The XYZ color **13.1891, 19.9906, 7.1664** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **12.8392, 8.3435, 24.6016**, and the grayscale version is **15.3458, 16.1450, 17.5819**.

A 20% lighter version of the original color is **31.3292, 43.4952, 20.9315**, and **3.8728, 6.9321, 1.3349** is the 20% darker color. If you saturate the color by 10%, you get **12.1135, 19.4718, 5.5327**, and if you desaturate by 10%, it is **14.4738, 20.6077, 9.2949**.

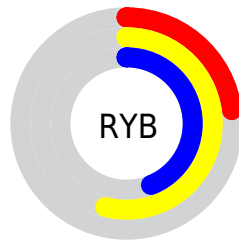
Distribution



Red (32%)

Green (54%)

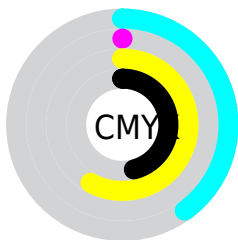
Blue (23%)



Red (23%)

Yellow (54%)

Blue (44%)

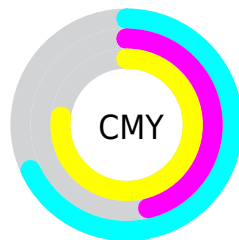


Cyan (40%)

Magenta (0%)

Yellow (58%)

Black (46%)



Cyan (68%)

Magenta (46%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1891, 19.9906, 7.1664 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 13.1891, 19.9906, 7.1664 by changing the saturation by 10% instead.

■ 13.1891, 19.9906,
7.1664

■ 13.1891, 19.9906,
7.1664

205.7392,
251.8642, 178.7223

■ 7.6368, 12.3882,
3.4864

■ 31.2415, 43.4014,
20.8257

■ 3.9133, 7.0086,
1.3480

■ 44.4723, 59.9786,
31.6421

■ 1.6532, 3.4675,
0.1007

■ 60.9934, 80.3163,
45.6743

■ 0.4267, 1.3804,
0.0000

■ 81.1700, 104.7987,
63.3410

■ 0.0000, 0.2022,
0.0000

■ 105.3675,
133.8103, 85.0606

■ 0.0000, 0.0000,
0.0000

■ 133.9513,

167.7355, 111.2516

167.2868,
206.9587, 142.3327

■ 13.1891, 19.9906,
7.1664

■ 13.1891, 19.9906,
7.1664

■ 12.1135, 19.4718,
5.5327

■ 14.4738, 20.6077,
9.2949

■ 11.2332, 19.0432,
4.3526

■ 15.9773, 21.3255,
11.9526

■ 10.5350, 18.6996,
3.5804

■ 17.7104, 22.1495,
15.1720

■ 9.9957, 18.4312,
3.1227

■ 19.6828, 23.0840,
18.9830

■ 9.8854, 18.3763,
3.0260

■ 21.9034, 24.1330,
23.4131

■ 24.3808, 25.3004,
28.4882

■ 27.1232, 26.5899,
34.2327

■ 30.1383, 28.0048,
40.6697

■ 33.4335, 29.5487,
47.8213

Harmonies

Analogous

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



16.9510, 19.9906, 4.4421



13.1891, 19.9906, 7.1664



11.2165, 19.9906, 14.5917

Triad

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



13.1891, 19.9906, 7.1664



16.2946, 19.9906, 60.0876



30.0041, 19.9906, 16.2234

Complementary

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



13.1891, 19.9906, 7.1664



12.8392, 8.3435, 24.6016

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.



29.7441, 19.9906, 30.9751



13.1891, 19.9906, 7.1664



21.2088, 19.9906, 61.1779

Square

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



13.1891, 19.9906, 7.1664



12.7815, 19.9906, 46.3404



26.3085, 19.9906, 48.8753



26.9666, 19.9906, 7.9080

Rectangle

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



13.1891, 19.9906, 7.1664



10.9239, 19.9906, 23.1323



26.3085, 19.9906, 48.8753



30.3131, 19.9906, 20.4553

Sweetspot

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



13.1896, 19.9915, 7.1668



35.3552, 41.3889, 34.2068



16.8733, 17.2093, 6.4357



7.7897, 9.2169, 7.3972



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.



13.1896, 19.9915, 7.1668



21.2067, 34.6334, 9.2239



11.8767, 19.2659, 9.3070



5.1055, 5.6771, 5.3791



9.2189, 17.1225, 2.8191



0.0747, 0.1207, 0.0194

Inverse Universe

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



12.8392, 8.3435, 24.6016



20.4672, 11.6689, 43.5568



15.3752, 9.7630, 19.6555



5.0885, 5.0540, 6.3132



8.6515, 3.9742, 22.3568



0.0724, 0.0341, 0.1492

Previews

White Background



This preview shows how the XYZ color 13.1891, 19.9906, 7.1664 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 13.1891, 19.9906, 7.1664 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 13.1891, 19.9906, 7.1664

Background



This preview shows how black text looks on a background with the XYZ color 13.1891, 19.9906, 7.1664.



This preview shows how white text looks on a background with the XYZ color 13.1891, 19.9906,

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

13.1891, 19.9906, 7.1664

Protanopia

18.0653, 19.7506, 6.3501

Deuteranopia

20.0492, 19.6721, 7.5909



Tritanopia

17.3343, 20.0514, 27.3828

Trichromacy



Original Color

13.1891, 19.9906, 7.1664

Protanomaly

15.7449, 19.4961, 6.5477

Deuteranomaly

16.6813, 19.1987, 7.3840

Tritanomaly

15.3801, 19.8525, 17.7731

Monochromacy



Original Color

13.1891, 19.9906, 7.1664

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.1360, 17.2142, 12.7028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1891, 19.9906, 7.1664 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(82, 137, 58)` looks like.

```
.text, #text, p{  
    color:rgb(82, 137, 58)  
}
```

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(82, 137, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 137, 58) }
```

Border

The CSS property to change the border of an element to XYZ 13.1891, 19.9906, 7.1664 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(82, 137, 58) }
```


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

```
.border{ border-color:rgb(82, 137, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 137, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 137, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 137, 58);  
box-shadow:4px 4px 4px 4px rgb(82, 137,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1891, 19.9906, 7.1664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 137, 58) }
```

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

```
.background{ background-color: rgb(82, 137,  
58) }
```

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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