

Converting Colors

XYZ(12.5383, 19.2852, 10.5090)

Have a look what the booklet for
XYZ(12.5383, 19.2852, 10.5090)
contains.

XYZ(12.5993, 19.4018, 10.4780)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.5993, 19.4018,
10.4780)**

Conversions

Conversions Part 1

Format	Color
Hex	44884F
RGB	68, 136, 79
RGB Percent	27%, 53%, 31%
CMY	0.7333, 0.4667, 0.6902
CMYK	0.50, 0.00, 0.42, 0.47
HSL	130°, 33%, 40%
HSV	130°, 50%, 53%
XYZ	12.5993, 19.4018, 10.4780
YIQ	109.1700, -22.2310, -32.1430

Conversions

Conversions Part 2

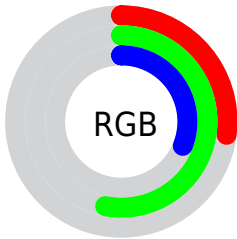
Format	Color
RYB	68, 127, 136
Decimal	4491343
CIELab	51.15, -34.52, 24.13
CIELCh	51, 42.116, 145.041
Yxy	19.4018, 0.2966, 0.4567
Android (android.graphics.Color)	4282681423 (0xFF44884F)
YUV	109.1700, -14.8738, -36.1061
Hunter-Lab	44.0475, -26.0251, 16.7293

Details

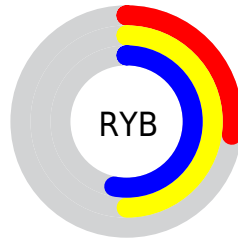
The XYZ color **12.5993, 19.4018, 10.4780** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.9227, 10.8494, 20.6573**, and the grayscale version is **14.6299, 15.3918, 16.7617**.

A 20% lighter version of the original color is **30.2611, 42.4768, 27.3728**, and **3.6232, 6.6584, 2.5331** is the 20% darker color. If you saturate the color by 10%, you get **11.3787, 18.8170, 8.4376**, and if you desaturate by 10%, it is **14.1122, 20.1301, 12.9044**.

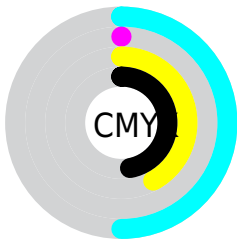
Distribution



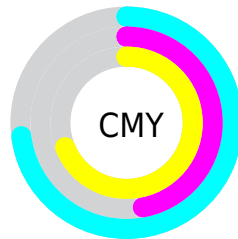
- Red (27%)
- Green (53%)
- Blue (31%)



- Red (27%)
- Yellow (50%)
- Blue (53%)



- Cyan (50%)
- Magenta (0%)
- Yellow (42%)
- Black (47%)



- Cyan (73%)
- Magenta (47%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5993, 19.4018, 10.4780 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 12.5993, 19.4018, 10.4780 by changing the saturation by 10% instead.

■ 12.5993, 19.4018,
10.4780

■ 12.5993, 19.4018,
10.4780

202.0234,
248.6580, 204.6576

■ 7.2283, 11.9610,
5.6073

■ 30.1895, 42.4120,
27.3125

■ 3.6529, 6.7171,
2.5429

■ 43.1394, 58.7501,
40.1134

■ 1.5077, 3.2858,
0.8628

■ 59.3463, 78.8227,
56.3948

■ 0.3311, 1.2827,
0.0000

■ 79.1755, 103.0143,
76.5751

■ 0.0000, 0.1278,
0.0000

■ 102.9925,
131.7093, 101.0731

■ 0.0000, 0.0000,
0.0000

131.1626,

165.2919, 130.3071

164.0511,
204.1467, 164.6958

■ 12.5993, 19.4018,
10.4780

■ 12.5993, 19.4018,
10.4780

■ 11.3787, 18.8170,
8.4376

■ 14.1122, 20.1301,
12.9044

■ 10.4298, 18.3639,
6.7622

■ 15.9332, 21.0082,
15.7340

■ 9.7317, 18.0328,
5.4304

■ 18.0787, 22.0445,
18.9845

■ 9.2597, 17.8114,
4.4184

■ 20.5638, 23.2465,
22.6721

■ 8.9494, 17.6671,
3.6976

■ 23.4022, 24.6211,
26.8120

■ 26.6071, 26.1746,
31.4191

■ 30.1910, 27.9133,
36.5072

■ 34.1658, 29.8429,
42.0898

■ 38.5428, 31.9691,
48.1796

Harmonies

Analogous

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



15.2394, 19.4018, 6.3663



12.5993, 19.4018, 10.4780



11.5279, 19.4018, 19.1944

Triad

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



12.5993, 19.4018, 10.4780



17.7537, 19.4018, 53.4197



26.7372, 19.4018, 12.7931

Complementary

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



12.5993, 19.4018, 10.4780



15.9227, 10.8494, 20.6573

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.



27.6786, 19.4018, 23.1815



12.5993, 19.4018, 10.4780



22.0619, 19.4018, 49.6504

Square

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



12.5993, 19.4018, 10.4780



14.2024, 19.4018, 46.2102



25.8556, 19.4018, 37.2787



23.4483, 19.4018, 7.3048

Rectangle

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



12.5993, 19.4018, 10.4780



11.7084, 19.4018, 27.6900



25.8556, 19.4018, 37.2787



27.3579, 19.4018, 15.6899

Sweetspot

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



12.5998, 19.4026, 10.4784



33.8303, 39.8005, 36.3957



18.4230, 22.4471, 8.8305



7.6519, 9.1289, 8.1569



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.



12.5998, 19.4026, 10.4784



19.8080, 33.0430, 14.4495



14.1243, 20.0124, 18.5066



5.0027, 5.6206, 5.5354



8.4725, 16.7216, 3.5127



0.0599, 0.1125, 0.0423

Inverse Universe

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



15.9227, 10.8494, 20.6573



26.3540, 16.1510, 34.4705



14.1440, 10.1379, 11.2910



5.1997, 5.1153, 6.1400



12.4872, 6.1050, 15.6018



0.0873, 0.0423, 0.1263

Previews

White Background



This preview shows how the XYZ color 12.5993, 19.4018, 10.4780 looks on a white background.

Color Contrast Check

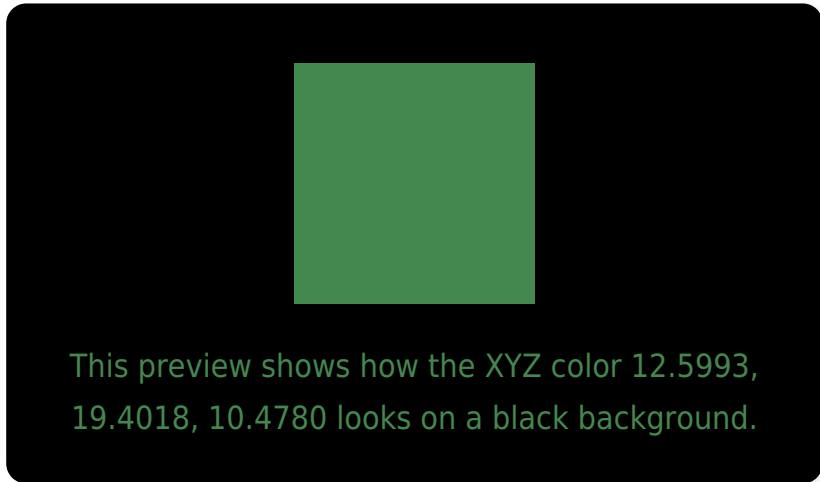
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 12.5993, 19.4018, 10.4780

Background



This preview shows how black text looks on a background with the XYZ color 12.5993, 19.4018, 10.4780.



This preview shows how white text looks on a background with the XYZ color 12.5993, 19.4018,

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

12.5993, 19.4018, 10.4780

Protanopia

17.5557, 19.0613, 9.0572

Deuteranopia

19.5227, 19.1506, 11.0550



Tritanopia

15.9901, 19.3584, 27.3199

Trichromacy



Original Color

12.5993, 19.4018, 10.4780

Protanomaly

15.0375, 18.6809, 9.4698

Deuteranomaly

15.9421, 18.5570, 10.7243

Tritanomaly

14.5227, 19.3647, 19.8019

Monochromacy



Original Color

12.5993, 19.4018, 10.4780

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.4175, 16.4552, 14.0243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5993, 19.4018, 10.4780 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(68, 136, 79)` looks like.

```
.text, #text, p{  
    color:rgb(68, 136, 79)  
}
```

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(68, 136, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 136, 79) }
```

Border

The CSS property to change the border of an element to XYZ 12.5993, 19.4018, 10.4780 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(68, 136, 79) }
```


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

```
.border{ border-color:rgb(68, 136, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 136, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 136, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 136, 79);  
box-shadow:4px 4px 4px 4px rgb(68, 136,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5993, 19.4018, 10.4780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 136, 79) }
```

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

```
.background{ background-color: rgb(68, 136,  
79) }
```

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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