

Converting Colors

XYZ(19.1532, 22.8027, 4.6296)

Have a look what the booklet for
XYZ(19.1532, 22.8027, 4.6296)
contains.

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Color

**XYZ(19.0517, 22.6559,
4.5972)**

Conversions

Conversions Part 1

Format	Color
Hex	88871E
RGB	136, 135, 30
RGB Percent	53%, 53%, 12%
CMY	0.4667, 0.4706, 0.8823
CMYK	0.00, 0.01, 0.78, 0.47
HSL	59°, 64%, 33%
HSV	59°, 78%, 53%
XYZ	19.0517, 22.6559, 4.5972
YIQ	123.3290, 34.3010, -32.4430

Conversions

Conversions Part 2

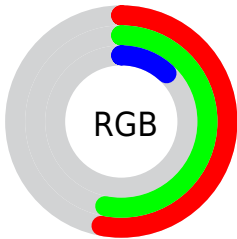
Format	Color
R_{YB}	31, 136, 30
Decimal	8947486
CIE _{Lab}	54.72, -12.19, 52.28
CIE _{LCh}	55, 53.685, 103.127
Yxy	22.6559, 0.4114, 0.4893
Android (android.graphics.Color)	4287137566 (0xFF88871E)
YUV	123.3290, -46.0112, 11.1125
Hunter-Lab	47.5982, -11.8503, 27.5923

Details

The XYZ color **19.0517, 22.6559, 4.5972** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.4695, 3.0337, 23.5898**, and the grayscale version is **19.0756, 20.0690, 21.8552**.

A 20% lighter version of the original color is **41.3217, 47.8130, 15.4385**, and **6.8951, 8.4946, 1.2762** is the 20% darker color. If you saturate the color by 10%, you get **18.8966, 22.5662, 3.8660**, and if you desaturate by 10%, it is **19.2829, 22.7778, 5.7243**.

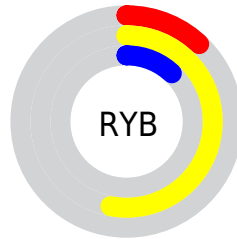
Distribution



Red (53%)

Green (53%)

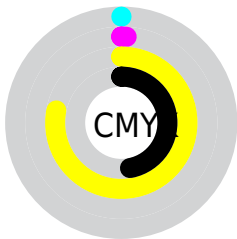
Blue (12%)



Red (12%)

Yellow (53%)

Blue (12%)

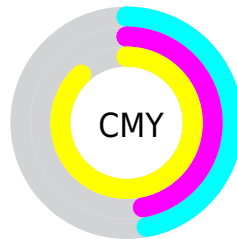


Cyan (0%)

Magenta (1%)

Yellow (78%)

Black (47%)



Cyan (47%)

Magenta (47%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0517, 22.6559, 4.5972 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 19.0517, 22.6559, 4.5972 by changing the saturation by 10% instead.

■ 19.0517, 22.6559,
4.5972

■ 19.0517, 22.6559,
4.5972

239.6667,
265.9527, 154.6484

■ 11.8119, 14.3396,
1.9584

■ 41.3376, 47.8277,
15.3652

■ 6.6870, 8.3573,
0.5295

■ 57.1145, 65.4520,
24.3315

■ 3.3117, 4.3244,
0.0000

■ 76.4676, 86.9478,
36.2439

■ 1.3207, 1.8566,
0.0000

■ 99.7626, 112.6995,
51.5212

■ 0.1986, 0.5221,
0.0000

■ 127.3646,
143.0914, 70.5817

■ 0.0000, 0.0000,
0.0000

■ 159.6390,

178.5080, 93.8440

196.9513,
219.3336, 121.7268

19.0517, 22.6559,
4.5972

19.0517, 22.6559,
4.5972

18.8966, 22.5662,
3.8660

19.2829, 22.7778,
5.7243

18.7976, 22.4981,
3.4324

19.5972, 22.9321,
7.2911

18.7785, 22.4846,
3.3502

20.0025, 23.1228,
9.3373

20.5055, 23.3527,
11.8976

21.1121, 23.6240,
15.0035

■ 21.8279, 23.9391,
18.6843

■ 22.6580, 24.2999,
22.9667

■ 23.6071, 24.7083,
27.8762

■ 24.6799, 25.1663,
33.4365

Harmonies

Analogous

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



25.0079, 22.6559, 4.7794



19.0517, 22.6559, 4.5972



14.6546, 22.6559, 7.7102

Triad

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



19.0517, 22.6559, 4.5972



14.2514, 22.6559, 54.3223



34.3600, 22.6559, 35.3866

Complementary

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



19.0517, 22.6559, 4.5972



5.4695, 3.0337, 23.5898

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.



30.2860, 22.6559, 56.9117



19.0517, 22.6559, 4.5972



18.3973, 22.6559, 70.8354

Square

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



19.0517, 22.6559, 4.5972



12.2451, 22.6559, 32.8336



24.2225, 22.6559, 71.9550



34.6235, 22.6559, 17.9833

Rectangle

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



19.0517, 22.6559, 4.5972



12.8956, 22.6559, 12.6764



24.2225, 22.6559, 71.9550



33.3609, 22.6559, 42.5234

Sweetspot

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



19.0522, 22.6570, 4.5977



37.7414, 41.8693, 29.1922



10.8753, 6.2661, 1.9865



8.6503, 9.6566, 6.2974



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.



19.0522, 22.6570, 4.5977



33.1636, 39.6725, 6.2130



12.7639, 19.6226, 4.3434



5.4271, 5.8370, 5.3930



17.7737, 21.2818, 3.1710



0.1187, 0.1426, 0.0213

Inverse Universe

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



5.4695, 3.0337, 23.5898



8.0966, 3.4664, 41.2907



8.3219, 4.4661, 23.7160



4.7782, 4.8993, 6.2997



4.2196, 1.7095, 22.1533



0.0285, 0.0122, 0.1473

Previews

White Background



This preview shows how the XYZ color 19.0517, 22.6559, 4.5972 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 19.0517, 22.6559, 4.5972 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 19.0517, 22.6559, 4.5972

Background



This preview shows how black text looks on a background with the XYZ color 19.0517, 22.6559, 4.5972.



This preview shows how white text looks on a background with the XYZ color 19.0517, 22.6559,

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

19.0517, 22.6559, 4.5972

Protanopia

20.3707, 22.5244, 4.4364

Deuteranopia

22.8209, 22.4292, 4.7166



Tritanopia

23.5818, 22.7190, 26.4349

Trichromacy



Original Color

19.0517, 22.6559, 4.5972

Protanomaly

19.8007, 22.4309, 4.4484

Deuteranomaly

21.3201, 22.4182, 4.6423

Tritanomaly

21.1633, 22.3144, 14.5009

Monochromacy



Original Color

19.0517, 22.6559, 4.5972

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.2946, 20.4892, 12.4418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0517, 22.6559, 4.5972 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(136, 135, 30)` looks like.

```
.text, #text, p{  
    color:rgb(136, 135, 30)  
}
```

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(136, 135, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 135, 30) }
```

Border

The CSS property to change the border of an element to XYZ 19.0517, 22.6559, 4.5972 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(136, 135, 30) }
```


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

```
.border{ border-color:rgb(136, 135, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 135, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 135, 30); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 135, 30); box-shadow:4px 4px 4px 4px rgb(136, 135, 30) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0517, 22.6559, 4.5972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 135, 30) }
```

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

```
.background{ background-color: rgb(136,  
135, 30) }
```

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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