

Converting Colors

XYZ(19.0489, 28.6517, 22.5783)

Have a look what the booklet for
XYZ(19.0489, 28.6517, 22.5783)
contains.

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Color

**XYZ(19.0440, 28.5989,
22.6056)**

Conversions

Conversions Part 1

Format	Color
Hex	48A279
RGB	72, 162, 121
RGB Percent	28%, 64%, 47%
CMY	0.7176, 0.3647, 0.5255
CMYK	0.56, 0.00, 0.25, 0.36
HSL	153°, 38%, 46%
HSV	153°, 56%, 64%
XYZ	19.0440, 28.5989, 22.6056
YIQ	130.4160, -40.4790, -31.8310

Conversions

Conversions Part 2

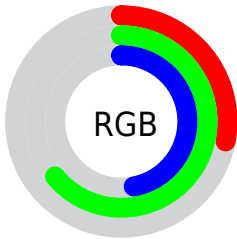
Format	Color
R_{YB}	72, 130, 162
Decimal	4760185
CIE _{Lab}	60.43, -36.84, 13.34
CIE _{LCh}	60, 39.185, 160.093
Yxy	28.5989, 0.2711, 0.4071
Android (android.graphics.Color)	4282950265 (0xFF48A279)
YUV	130.4160, -4.6421, -51.2308
Hunter-Lab	53.4779, -30.0209, 12.3721

Details

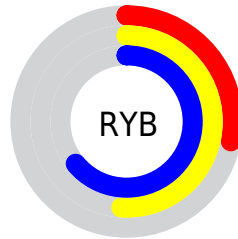
The XYZ color **19.0440, 28.5989, 22.6056** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.1992, 13.5090, 17.1666**, and the grayscale version is **21.3924, 22.5064, 24.5095**.

A 20% lighter version of the original color is **41.1081, 57.1549, 48.4005**, and **6.7456, 11.6197, 8.0182** is the 20% darker color. If you saturate the color by 10%, you get **17.5564, 27.8831, 20.2634**, and if you desaturate by 10%, it is **20.8860, 29.4949, 25.1464**.

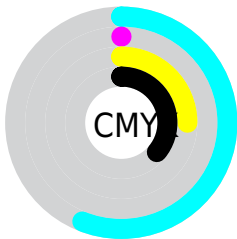
Distribution



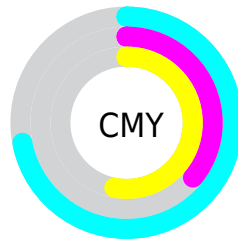
- Red (28%)
- Green (64%)
- Blue (47%)



- Red (28%)
- Yellow (51%)
- Blue (64%)



- Cyan (56%)
- Magenta (0%)
- Yellow (25%)
- Black (36%)



- Cyan (72%)
- Magenta (36%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0440, 28.5989, 22.6056 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 19.0440, 28.5989, 22.6056 by changing the saturation by 10% instead.

■ 19.0440, 28.5989,
22.6056

■ 19.0440, 28.5989,
22.6056

239.6250,
295.3177, 278.7487

■ 11.8063, 18.7776,
14.1000

■ 41.3247, 57.4392,
48.6599

■ 6.6832, 11.5097,
8.0507

■ 57.0984, 77.2270,
67.0456

■ 3.3093, 6.4108,
4.0392

■ 76.4482, 101.1058,
89.5618

■ 1.3194, 3.0964,
1.6469

■ 99.7393, 129.4599,
116.6270

■ 0.1976, 1.1823,
0.3239

■ 127.3372,
162.6737, 148.6598

■ 0.0000, 0.0472,
0.0000

159.6073,

■ 0.0000, 0.0000,

201.1317, 186.0786

0.0000

196.9147,
245.2183, 229.3021

■ 19.0440, 28.5989,
22.6056

■ 19.0440, 28.5989,
22.6056

■ 17.5564, 27.8831,
20.2634

■ 20.8860, 29.4949,
25.1464

■ 16.3946, 27.3305,
18.1127

■ 23.1036, 30.5798,
27.8888

■ 15.5289, 26.9269,
16.1484

■ 25.7192, 31.8655,
30.8383

■ 14.9201, 26.6519,
14.3645

■ 28.7523, 33.3624,
33.9995

■ 14.6906, 26.5497,
13.6264

■ 32.2215, 35.0797,
37.3768

■ 36.1441, 37.0262,
40.9744

■ 40.5363, 39.2105,
44.7966

■ 45.4137, 41.6402,
48.8473

■ 50.7910, 44.3231,
53.1304

Harmonies

Analogous

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



21.4017, 28.5989, 14.3554



19.0440, 28.5989, 22.6056



18.7072, 28.5989, 36.2656

Triad

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



19.0440, 28.5989, 22.6056



28.9179, 28.5989, 67.2786



35.2987, 28.5989, 16.4559

Complementary

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



19.0440, 28.5989, 22.6056



20.1992, 13.5090, 17.1666

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.



37.8944, 28.5989, 26.5205



19.0440, 28.5989, 22.6056



33.9203, 28.5989, 57.5927

Square

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



19.0440, 28.5989, 22.6056



24.0115, 28.5989, 65.2436



37.3609, 28.5989, 41.5887



30.6209, 28.5989, 11.6418

Rectangle

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



19.0440, 28.5989, 22.6056



19.6239, 28.5989, 47.2484



37.3609, 28.5989, 41.5887



36.4684, 28.5989, 19.1840

Sweetspot

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



19.0448, 28.6001, 22.6063



51.1655, 60.0556, 60.6783



21.0304, 29.8872, 10.7915



11.2501, 13.3690, 13.3805



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.0448, 28.6001, 22.6063



31.2409, 50.3166, 35.6892



21.5931, 28.7839, 38.6016



7.1393, 7.9565, 8.3452



11.5951, 20.9244, 10.8503



0.2671, 0.4491, 0.3517

Inverse Universe

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



20.1992, 13.5090, 17.1666



33.5653, 20.0397, 24.8167



18.5869, 13.1820, 7.6959



7.2017, 7.1371, 8.0484



12.7286, 6.4475, 5.7614



0.2912, 0.1450, 0.2461

Previews

White Background



This preview shows how the XYZ color 19.0440, 28.5989, 22.6056 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 19.0440, 28.5989, 22.6056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

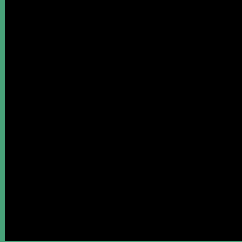
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.0440, 28.5989, 22.6056

Background



This preview shows how black text looks on a background with the XYZ color 19.0440, 28.5989, 22.6056.



This preview shows how white text looks on a background with the XYZ color 19.0440, 28.5989,

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

19.0440, 28.5989, 22.6056

Protanopia

26.4325, 28.3131, 19.6946

Deuteranopia

28.7244, 28.0786, 23.6444



Tritanopia

22.7941, 28.5825, 41.3614

Trichromacy



Original Color

19.0440, 28.5989, 22.6056

Protanomaly

22.5312, 27.6793, 20.6781

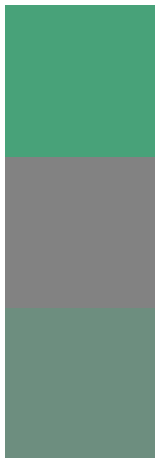
Deuteranomaly

23.5875, 27.2282, 23.0812

Tritanomaly

21.2061, 28.4374, 33.6494

Monochromacy



Original Color

19.0440, 28.5989, 22.6056

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

19.8104, 24.1295, 23.6920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0440, 28.5989, 22.6056 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(72, 162, 121)` looks like.

```
.text, #text, p{  
    color:rgb(72, 162, 121)  
}
```

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(72, 162, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 162, 121) }
```

Border

The CSS property to change the border of an element to XYZ 19.0440, 28.5989, 22.6056 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(72, 162, 121) }
```


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

```
.border{ border-color:rgb(72, 162, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 162, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 162, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 162, 121);  
box-shadow:4px 4px 4px 4px rgb(72, 162,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0440, 28.5989, 22.6056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 162, 121) }
```

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

```
.background{ background-color: rgb(72, 162,  
121) }
```

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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