

Converting Colors

XYZ(19.5882, 17.2163, 3.7296)

Have a look what the booklet for
XYZ(19.5882, 17.2163, 3.7296)
contains.

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Color

**XYZ(19.6220, 17.2839,
3.7408)**

Conversions

Conversions Part 1

Format	Color
Hex	A06721
RGB	160, 103, 33
RGB Percent	63%, 40%, 13%
CMY	0.3726, 0.5961, 0.8706
CMYK	0.00, 0.36, 0.79, 0.37
HSL	33°, 66%, 38%
HSV	33°, 79%, 63%
XYZ	19.6220, 17.2839, 3.7408
YIQ	112.0630, 56.4420, -9.6860

Conversions

Conversions Part 2

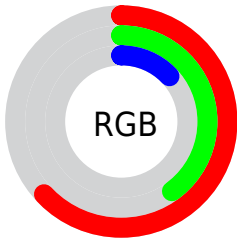
Format	Color
R_{YB}	136, 160, 33
Decimal	10512161
CIE _{Lab}	48.62, 16.99, 46.39
CIE _{LCh}	49, 49.403, 69.881
Yxy	17.2839, 0.4827, 0.4252
Android (android.graphics.Color)	4288702241 (0xFFA06721)
YUV	112.0630, -38.9781, 42.0407
Hunter-Lab	41.5739, 11.4939, 23.7669

Details

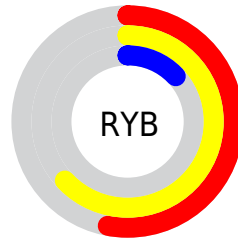
The XYZ color **19.6220, 17.2839, 3.7408** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.6284, 10.1734, 34.6610**, and the grayscale version is **15.5193, 16.3275, 17.7807**.

A 20% lighter version of the original color is **42.3304, 38.7958, 13.4409**, and **7.1231, 5.7714, 0.7386** is the 20% darker color. If you saturate the color by 10%, you get **18.7652, 15.8477, 2.6003**, and if you desaturate by 10%, it is **20.6475, 18.8872, 5.4634**.

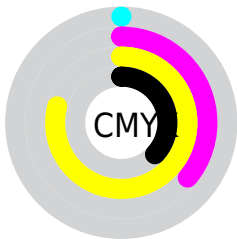
Distribution



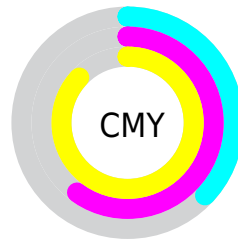
- Red (63%)
- Green (40%)
- Blue (13%)



- Red (53%)
- Yellow (63%)
- Blue (13%)



- Cyan (0%)
- Magenta (36%)
- Yellow (79%)
- Black (37%)



- Cyan (37%)
- Magenta (60%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6220, 17.2839, 3.7408 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 19.6220, 17.2839, 3.7408 by changing the saturation by 10% instead.

■ 19.6220, 17.2839,
3.7408

■ 19.6220, 17.2839,
3.7408

242.7341,
236.8031, 145.2993

■ 12.2272, 10.4371,
1.4843

■ 42.2913, 38.8133,
13.4074

■ 6.9719, 5.6897,
0.2062

■ 58.2966, 54.2646,
21.6546

■ 3.4907, 2.6573,
0.0000

■ 77.9027, 73.3530,
32.7357

■ 1.4183, 0.9556,
0.0000

■ 101.4751, 96.4627,
47.0692

■ 0.2692, 0.0000,
0.0000

■ 129.3791,
123.9781, 65.0739

■ 0.0000, 0.0000,
0.0000

■ 161.9800,

156.2838, 87.1680

199.6432,
193.7640, 113.7703

19.6220, 17.2839,
3.7408

19.6220, 17.2839,
3.7408

18.7652, 15.8477,
2.6003

20.6475, 18.8872,
5.4634

18.0454, 14.5613,
1.8883

21.8553, 20.6632,
7.8379

18.0028, 14.4848,
1.8470

23.2588, 22.6203,
10.9254

24.8692, 24.7653,
14.7793

26.6972, 27.1044,
19.4481

■ 28.7523, 29.6436,
24.9761

■ 31.0435, 32.3886,
31.4045

■ 33.5793, 35.3446,
38.7717

■ 36.3676, 38.5169,
47.1139

Harmonies

Analogous

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



24.0908, 17.2839, 6.8980



19.6220, 17.2839, 3.7408



14.9729, 17.2839, 3.3606

Triad

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



19.6220, 17.2839, 3.7408



9.2329, 17.2839, 23.4507



22.6948, 17.2839, 45.3109

Complementary

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



19.6220, 17.2839, 3.7408



10.6284, 10.1734, 34.6610

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.



17.9741, 17.2839, 55.8287



19.6220, 17.2839, 3.7408



10.5912, 17.2839, 39.8695

Square

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



19.6220, 17.2839, 3.7408



9.5106, 17.2839, 11.4543



13.6006, 17.2839, 53.4752



26.0794, 17.2839, 28.8114

Rectangle

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



19.6220, 17.2839, 3.7408



12.4461, 17.2839, 4.3882



13.6006, 17.2839, 53.4752



21.1793, 17.2839, 49.9437

Sweetspot

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



19.6224, 17.2848, 3.7411



50.2544, 51.4320, 40.0414



16.8930, 9.3022, 10.6118



10.7530, 10.9460, 8.0654



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.6224, 17.2848, 3.7411



33.0906, 27.0138, 3.7704



26.1052, 32.0870, 6.2566



6.9209, 7.2218, 7.0148



14.0684, 11.3724, 1.4536



0.2935, 0.2872, 0.0400

Inverse Universe

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



10.6284, 10.1734, 34.6610



16.1713, 13.7146, 62.1814



7.7392, 4.0642, 33.6341



6.5176, 6.9009, 8.3952



6.7811, 5.6537, 26.6411



0.1629, 0.1844, 0.4902

Previews

White Background



This preview shows how the XYZ color 19.6220, 17.2839, 3.7408 looks on a white 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

Black Background



This preview shows how the XYZ color 19.6220, 17.2839, 3.7408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

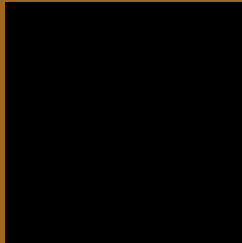
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6220, 17.2839, 3.7408

Background



This preview shows how black text looks on a background with the XYZ color 19.6220, 17.2839, 3.7408.



This preview shows how white text looks on a background with the XYZ color 19.6220, 17.2839,

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

19.6220, 17.2839, 3.7408

Protanopia

15.7697, 17.3640, 4.1895

Deuteranopia

17.6643, 17.3566, 3.6474



Tritanopia

21.9409, 17.2375, 15.0027

Trichromacy



Original Color

19.6220, 17.2839, 3.7408

Protanomaly

16.9723, 17.1529, 4.0064

Deuteranomaly

18.2675, 17.1936, 3.6522

Tritanomaly

20.9412, 17.2603, 9.4356

Monochromacy



Original Color

19.6220, 17.2839, 3.7408

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.0832, 16.2289, 10.4684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6220, 17.2839, 3.7408 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(160, 103, 33)` looks like.

```
.text, #text, p{  
    color:rgb(160, 103, 33)  
}
```

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(160, 103, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 103, 33) }
```

Border

The CSS property to change the border of an element to XYZ 19.6220, 17.2839, 3.7408 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(160, 103, 33) }
```


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

```
.border{ border-color:rgb(160, 103, 33) }
```

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

Here you see how a box with a 4 pixel rgb(160, 103, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 103, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 103, 33);  
box-shadow:4px 4px 4px 4px rgb(160, 103,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6220, 17.2839, 3.7408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 103, 33) }
```

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

```
.background{ background-color: rgb(160,  
103, 33) }
```

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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