

Converting Colors

XYZ(19.7728, 16.3230, 5.7229)

Have a look what the booklet for
XYZ(19.7728, 16.3230, 5.7229)
contains.

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Color

**XYZ(19.7728, 16.3230,
5.7229)**

Conversions

Conversions Part 1

Format	Color
Hex	A26037
RGB	162, 96, 55
RGB Percent	64%, 38%, 22%
CMY	0.3647, 0.6235, 0.7843
CMYK	0.00, 0.41, 0.66, 0.36
HSL	23°, 49%, 43%
HSV	23°, 66%, 64%
XYZ	19.7728, 16.3230, 5.7229
YIQ	111.0600, 52.4970, 1.2410

Conversions

Conversions Part 2

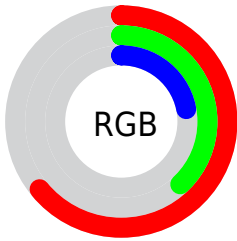
Format	Color
R _Y B	162, 121, 55
Decimal	10641463
CIE _{Lab}	47.40, 23.01, 34.39
CIE _{LCh}	47, 41.373, 56.212
Yxy	16.3230, 0.4728, 0.3903
Android (android.graphics.Color)	4288831543 (0xFFA26037)
YUV	111.0600, -27.6376, 44.6744
Hunter-Lab	40.4017, 16.6557, 19.8828

Details

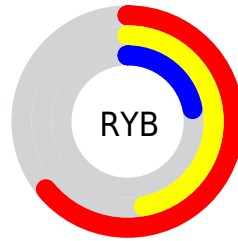
The XYZ color **19.7728, 16.3230, 5.7229** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.9340, 17.0946, 36.6948**, and the grayscale version is **15.1943, 15.9856, 17.4083**.

A 20% lighter version of the original color is **42.3971, 37.0624, 17.7511**, and **7.0915, 5.2805, 0.9039** is the 20% darker color. If you saturate the color by 10%, you get **18.5920, 14.4842, 3.7180**, and if you desaturate by 10%, it is **21.1977, 18.4463, 8.4383**.

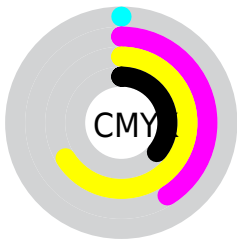
Distribution



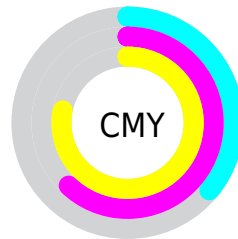
- Red (64%)
- Green (38%)
- Blue (22%)



- Red (64%)
- Yellow (47%)
- Blue (22%)



- Cyan (0%)
- Magenta (41%)
- Yellow (66%)
- Black (36%)



- Cyan (36%)
- Magenta (62%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7728, 16.3230, 5.7229 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 19.7728, 16.3230, 5.7229 by changing the saturation by 10% instead.

■ 19.7728, 16.3230,
5.7229

■ 19.7728, 16.3230,
5.7229

243.5396,
231.2402, 165.7913

■ 12.3373, 9.7530,
2.6113

■ 42.5428, 37.1580,
17.8206

■ 7.0477, 5.2355,
0.8983

■ 58.6080, 52.1919,
27.6438

■ 3.5385, 2.3861,
0.0000

■ 78.2805, 70.8158,
40.5412

■ 1.4445, 0.8187,
0.0000

■ 101.9256, 93.4142,
56.9315

■ 0.2876, 0.0000,
0.0000

■ 129.9087,
120.3714, 77.2330

■ 0.0000, 0.0000,
0.0000

■ 162.5952,

152.0719, 101.8645

200.3503,
188.9000, 131.2444

■ 19.7728, 16.3230,
5.7229

■ 19.7728, 16.3230,
5.7229

■ 18.5920, 14.4842,
3.7180

■ 21.1977, 18.4463,
8.4383

■ 17.6368, 12.9134,
2.3528

■ 22.8811, 20.8642,
11.9242

■ 16.8853, 11.5953,
1.5320

■ 24.8371, 23.5894,
16.2348

■ 16.6273, 11.1355,
1.2730

■ 27.0786, 26.6331,
21.4195

■ 29.6176, 30.0057,
27.5235

■ 32.4653, 33.7171,
34.5890

■ 35.6323, 37.7769,
42.6555

■ 39.1286, 42.1943,
51.7603

■ 42.9639, 46.9780,
61.9387

Harmonies

Analogous

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



22.7346, 16.3230, 10.2660



19.7728, 16.3230, 5.7229



15.9848, 16.3230, 4.2833

Triad

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



19.7728, 16.3230, 5.7229



9.4917, 16.3230, 16.4727



18.8400, 16.3230, 42.7248

Complementary

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



19.7728, 16.3230, 5.7229



14.9340, 17.0946, 36.6948

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.



15.0536, 16.3230, 46.4747



19.7728, 16.3230, 5.7229



10.0121, 16.3230, 28.2608

Square

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



19.7728, 16.3230, 5.7229



10.3638, 16.3230, 8.7460



11.9162, 16.3230, 40.3765



22.1392, 16.3230, 31.5252

Rectangle

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



19.7728, 16.3230, 5.7229



13.6290, 16.3230, 4.5838



11.9162, 16.3230, 40.3765



17.5663, 16.3230, 45.0500

Sweetspot

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



19.7732, 16.3238, 5.7232



51.7046, 51.7467, 44.9568



19.8271, 11.8381, 19.9024



11.3377, 11.2564, 9.4378



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.



19.7732, 16.3238, 5.7232



32.9314, 24.9659, 5.5103



26.1380, 29.0534, 7.8448



7.2859, 7.5102, 7.4457



13.1385, 8.8510, 1.0159



0.3209, 0.2757, 0.0363

Inverse Universe

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



14.9340, 17.0946, 36.6948



23.4208, 26.3278, 65.9035



10.2418, 7.7101, 35.1307



7.0470, 7.5531, 8.9895



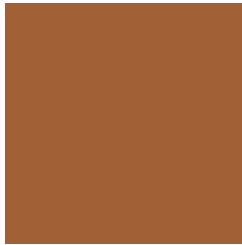
8.7645, 9.3084, 28.2645



0.2277, 0.2827, 0.6084

Previews

White Background



This preview shows how the XYZ color 19.7728, 16.3230, 5.7229 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 19.7728, 16.3230, 5.7229 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 19.7728, 16.3230, 5.7229

Background



This preview shows how black text looks on a background with the XYZ color 19.7728, 16.3230, 5.7229.



This preview shows how white text looks on a background with the XYZ color 19.7728, 16.3230,

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

19.7728, 16.3230, 5.7229

Protanopia

15.0596, 16.4323, 6.7929

Deuteranopia

16.6927, 16.3388, 5.5227



Tritanopia

21.4627, 16.3633, 13.5825

Trichromacy



Original Color

19.7728, 16.3230, 5.7229

Protanomaly

16.5283, 16.2344, 6.4001

Deuteranomaly

17.7056, 16.2534, 5.5722

Tritanomaly

20.7472, 16.3304, 10.0412

Monochromacy



Original Color

19.7728, 16.3230, 5.7229

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.2483, 15.8092, 12.0926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7728, 16.3230, 5.7229 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(162, 96, 55)` looks like.

```
.text, #text, p{  
    color:rgb(162, 96, 55)  
}
```

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(162, 96, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 96, 55) }
```

Border

The CSS property to change the border of an element to XYZ 19.7728, 16.3230, 5.7229 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(162, 96, 55) }
```


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

```
.border{ border-color:rgb(162, 96, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 96, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 96, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 96, 55);  
box-shadow:4px 4px 4px 4px rgb(162, 96,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7728, 16.3230, 5.7229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 96, 55) }
```

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

```
.background{ background-color: rgb(162, 96,  
55) }
```

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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