

Converting Colors

XYZ(20.6996, 19.0235, 6.3297)

Have a look what the booklet for
XYZ(20.6996, 19.0235, 6.3297)
contains.

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Color

**XYZ(20.6963, 19.0253,
6.3228)**

Conversions

Conversions Part 1

Format	Color
Hex	9F6F38
RGB	159, 111, 56
RGB Percent	62%, 44%, 22%
CMY	0.3765, 0.5647, 0.7804
CMYK	0.00, 0.30, 0.65, 0.38
HSL	32°, 48%, 42%
HSV	32°, 65%, 62%
XYZ	20.6963, 19.0253, 6.3228
YIQ	119.0820, 46.2630, -6.9290

Conversions

Conversions Part 2

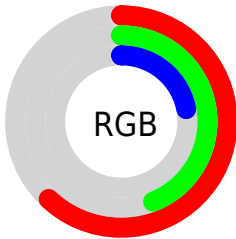
Format	Color
R_{YB}	146, 159, 56
Decimal	10448696
CIE _{Lab}	50.72, 13.23, 37.58
CIE _{LCh}	51, 39.843, 70.599
Yxy	19.0253, 0.4495, 0.4132
Android (android.graphics.Color)	4288638776 (0xFF9F6F38)
YUV	119.0820, -31.0994, 35.0081
Hunter-Lab	43.6180, 8.3649, 21.9380

Details

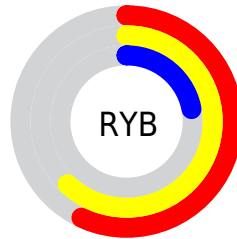
The XYZ color **20.6963, 19.0253, 6.3228** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.8389, 13.2439, 34.6803**, and the grayscale version is **17.6461, 18.5651, 20.2174**.

A 20% lighter version of the original color is **44.2623, 41.9660, 19.1320**, and **7.5248, 6.5134, 1.0616** is the 20% darker color. If you saturate the color by 10%, you get **19.5924, 17.3441, 4.3317**, and if you desaturate by 10%, it is **21.9917, 20.8919, 8.9875**.

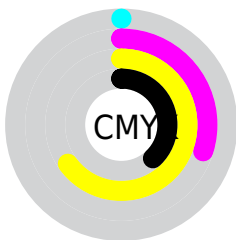
Distribution



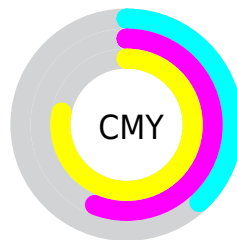
- Red (62%)
- Green (44%)
- Blue (22%)



- Red (57%)
- Yellow (62%)
- Blue (22%)



- Cyan (0%)
- Magenta (30%)
- Yellow (65%)
- Black (38%)





- Cyan (38%)
- Magenta (56%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.6963, 19.0253, 6.3228 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 20.6963, 19.0253, 6.3228 by changing the saturation by 10% instead.


 20.6963, 19.0253,
6.3228


 20.6963, 19.0253,
6.3228


248.4224,
246.5884, 171.3233


 13.0134, 11.6886,
2.9704


 44.0766, 41.7768,
19.0864


 7.5148, 6.5320,
1.0795


 60.5048, 57.9604,
29.3347


 3.8353, 3.1712,
0.0000

 80.5787, 77.8618,
42.7187

 1.6094, 1.2217,
0.0000

 104.6637,
101.8653, 59.6570

 0.3985, 0.0794,
0.0000

 133.1253,
130.3553, 80.5680

 0.0000, 0.0000,
0.0000

 166.3287,

163.7162, 105.8704

204.6393,
202.3324, 135.9827

■ 20.6963, 19.0253,
6.3228

■ 20.6963, 19.0253,
6.3228

■ 19.5924, 17.3441,
4.3317

■ 21.9917, 20.8919,
8.9875

■ 18.6648, 15.8374,
2.9484

■ 23.4894, 22.9485,
12.3809

■ 17.8973, 14.4968,
2.0933

■ 25.2008, 25.2028,
16.5537

■ 17.5393, 13.8535,
1.7496

■ 27.1360, 27.6612,
21.5516

■ 29.3043, 30.3297,
27.4169

■ 31.7144, 33.2140,
34.1887

■ 34.3747, 36.3196,
41.9040

■ 37.2929, 39.6516,
50.5975

■ 40.4765, 43.2151,
60.3024

Harmonies

Analogous

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



24.4112, 19.0253, 9.6275



20.6963, 19.0253, 6.3228



16.7354, 19.0253, 5.9431

Triad

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



20.6963, 19.0253, 6.3228



11.6555, 19.0253, 24.9323



23.4285, 19.0253, 41.7344

Complementary

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



20.6963, 19.0253, 6.3228



12.8389, 13.2439, 34.6803

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.



19.5010, 19.0253, 49.8948



20.6963, 19.0253, 6.3228



12.9554, 19.0253, 38.1182

Square

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



20.6963, 19.0253, 6.3228



11.8797, 19.0253, 14.3562



15.6995, 19.0253, 48.3742



26.1391, 19.0253, 28.7198

Rectangle

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



20.6963, 19.0253, 6.3228



14.5205, 19.0253, 7.1622



15.6995, 19.0253, 48.3742



22.1851, 19.0253, 45.3164

Sweetspot

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



20.6967, 19.0262, 6.3232



50.6493, 52.0808, 44.0906



18.2143, 11.2002, 14.3165



11.1843, 11.4521, 9.3083



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.



20.6967, 19.0262, 6.3232



34.2692, 29.7544, 6.4644



26.7384, 32.1064, 8.5295



6.9116, 7.2032, 7.0117



13.8953, 11.0263, 1.3959



0.2906, 0.2815, 0.0390

Inverse Universe

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



12.8389, 13.2439, 34.6803



19.0878, 18.6081, 61.3291



9.5017, 6.2748, 33.5111



6.5268, 6.9193, 8.3982



6.9228, 5.9372, 26.6884



0.1658, 0.1901, 0.4912

Previews

White Background



This preview shows how the XYZ color 20.6963, 19.0253, 6.3228 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 20.6963, 19.0253, 6.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

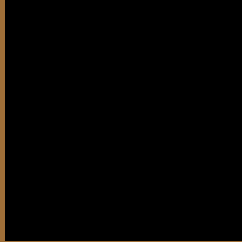
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.6963, 19.0253, 6.3228

Background



This preview shows how black text looks on a background with the XYZ color 20.6963, 19.0253, 6.3228.



This preview shows how white text looks on a background with the XYZ color 20.6963, 19.0253,

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

20.6963, 19.0253, 6.3228

Protanopia

17.4583, 19.0588, 6.8962

Deuteranopia

19.3980, 19.0213, 6.2635



Tritanopia

23.1365, 19.0819, 18.0865

Trichromacy



Original Color

20.6963, 19.0253, 6.3228

Protanomaly

18.4527, 18.8677, 6.6723

Deuteranomaly

19.8438, 19.0828, 6.2519

Tritanomaly

22.0898, 18.9695, 12.6224

Monochromacy



Original Color

20.6963, 19.0253, 6.3228

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.1882, 18.4036, 13.6600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6963, 19.0253, 6.3228 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(159, 111, 56)` looks like.

```
.text, #text, p{  
    color:rgb(159, 111, 56)  
}
```

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(159, 111, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 111, 56) }
```

Border

The CSS property to change the border of an element to XYZ 20.6963, 19.0253, 6.3228 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(159, 111, 56) }
```


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

```
.border{ border-color:rgb(159, 111, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 111, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 111, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 111, 56);  
box-shadow:4px 4px 4px 4px rgb(159, 111,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6963, 19.0253, 6.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 111, 56) }
```

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

```
.background{ background-color: rgb(159,  
111, 56) }
```

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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