

Converting Colors

XYZ(20.3030, 19.5609, 4.0297)

Have a look what the booklet for
XYZ(20.3030, 19.5609, 4.0297)
contains.

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Color

**XYZ(20.2827, 19.5285,
3.9967)**

Conversions

Conversions Part 1

Format	Color
Hex	9D731F
RGB	157, 115, 31
RGB Percent	62%, 45%, 12%
CMY	0.3843, 0.5490, 0.8784
CMYK	0.00, 0.27, 0.80, 0.38
HSL	40°, 67%, 37%
HSV	40°, 80%, 62%
XYZ	20.2827, 19.5285, 3.9967
YIQ	117.9820, 51.9960, -17.2200

Conversions

Conversions Part 2

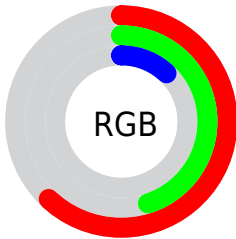
Format	Color
R_{YB}	94, 157, 31
Decimal	10318623
CIE Lab	51.30, 8.70, 49.57
CIE LCh	51, 50.325, 80.040
Yxy	19.5285, 0.4630, 0.4458
Android (android.graphics.Color)	4288508703 (0xFF9D731F)
YUV	117.9820, -42.8821, 34.2188
Hunter-Lab	44.1911, 4.5931, 25.5715

Details

The XYZ color **20.2827, 19.5285, 3.9967** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.0334, 7.4905, 32.8678**, and the grayscale version is **17.3335, 18.2361, 19.8592**.

A 20% lighter version of the original color is **43.3660, 42.6937, 13.9377**, and **7.3740, 6.7810, 0.9202** is the 20% darker color. If you saturate the color by 10%, you get **19.5443, 18.3060, 2.9667**, and if you desaturate by 10%, it is **21.1567, 20.8610, 5.5695**.

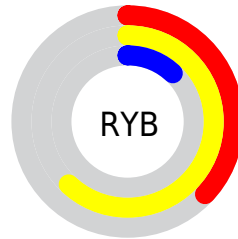
Distribution



Red (62%)

Green (45%)

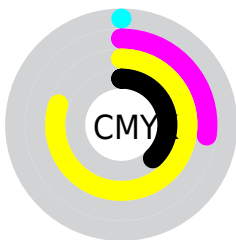
Blue (12%)



Red (37%)

Yellow (62%)

Blue (12%)

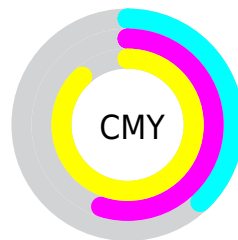


Cyan (0%)

Magenta (27%)

Yellow (80%)

Black (38%)



Cyan (38%)

Magenta (55%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2827, 19.5285, 3.9967 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 20.2827, 19.5285, 3.9967 by changing the saturation by 10% instead.

■ 20.2827, 19.5285,
3.9967

■ 20.2827, 19.5285,
3.9967

246.2460,
249.3510, 148.1887

■ 12.7102, 12.0528,
1.6235

■ 43.3910, 42.6253,
14.0021

■ 7.3049, 6.7796,
0.3075

■ 59.6574, 59.0151,
22.4715

■ 3.7015, 3.3247,
0.0000

■ 79.5526, 79.1450,
33.8100

■ 1.5347, 1.3035,
0.0000

■ 103.4417,
103.3996, 48.4362

■ 0.3493, 0.1439,
0.0000

■ 131.6903,
132.1630, 66.7686

■ 0.0000, 0.0000,
0.0000

■ 164.6636,

165.8198, 89.2258

202.7271,
204.7544, 116.2263

20.2827, 19.5285,
3.9967

20.2827, 19.5285,
3.9967

19.5443, 18.3060,
2.9667

21.1567, 20.8610,
5.5695

18.9227, 17.2043,
2.3234

22.1784, 22.3069,
7.7524

23.3599, 23.8725,
10.6038

24.7112, 25.5629,
14.1751

26.2418, 27.3826,
18.5127

■ 27.9601, 29.3357,
23.6588

■ 29.8740, 31.4263,
29.6528

■ 31.9910, 33.6579,
36.5313

■ 34.3181, 36.0342,
44.3289

Harmonies

Analogous

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



25.4825, 19.5285, 6.3257



20.2827, 19.5285, 3.9967



15.4438, 19.5285, 4.4239

Triad

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



20.2827, 19.5285, 3.9967



10.8847, 19.5285, 32.2226



26.9940, 19.5285, 44.4408

Complementary

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



20.2827, 19.5285, 3.9967



9.0334, 7.4905, 32.8678

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.



22.0723, 19.5285, 59.2825



20.2827, 19.5285, 3.9967



13.0226, 19.5285, 50.2999

Square

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



20.2827, 19.5285, 3.9967



10.5798, 19.5285, 16.8281



16.9401, 19.5285, 61.8099



29.7942, 19.5285, 26.4162

Rectangle

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



20.2827, 19.5285, 3.9967



13.0144, 19.5285, 6.3368



16.9401, 19.5285, 61.8099



25.4953, 19.5285, 50.2557

Sweetspot

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



20.2831, 19.5295, 3.9971



48.7368, 51.0357, 38.3101



15.5973, 8.6293, 7.1472



10.5023, 10.9769, 7.7682



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.2831, 19.5295, 3.9971



34.1395, 31.2411, 4.4651



22.4576, 29.4470, 5.7967



6.9837, 7.3475, 7.0358



15.4037, 14.0430, 1.8987



0.3126, 0.3255, 0.0464

Inverse Universe

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



9.0334, 7.4905, 32.8678



13.4124, 9.2347, 58.2023



7.9921, 4.1446, 32.2768



6.4564, 6.7785, 8.3748



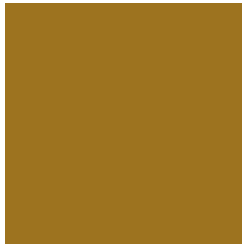
5.9833, 4.0581, 26.3752



0.1437, 0.1461, 0.4838

Previews

White Background



This preview shows how the XYZ color 20.2827, 19.5285, 3.9967 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 20.2827, 19.5285, 3.9967 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 20.2827, 19.5285, 3.9967

Background



This preview shows how black text looks on a background with the XYZ color 20.2827, 19.5285, 3.9967.



This preview shows how white text looks on a background with the XYZ color 20.2827, 19.5285,

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

20.2827, 19.5285, 3.9967

Protanopia

17.8387, 19.6790, 4.2971

Deuteranopia

19.8062, 19.4545, 3.9395



Tritanopia

23.2525, 19.4346, 18.7454

Trichromacy



Original Color

20.2827, 19.5285, 3.9967

Protanomaly

18.6542, 19.5570, 4.1582

Deuteranomaly

19.9973, 19.5531, 3.9484

Tritanomaly

21.6734, 19.2655, 10.9638

Monochromacy



Original Color

20.2827, 19.5285, 3.9967

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.5567, 18.3000, 11.4110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2827, 19.5285, 3.9967 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(157, 115, 31)` looks like.

```
.text, #text, p{  
    color:rgb(157, 115, 31)  
}
```

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(157, 115, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 115, 31) }
```

Border

The CSS property to change the border of an element to XYZ 20.2827, 19.5285, 3.9967 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(157, 115, 31) }
```


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

```
.border{ border-color:rgb(157, 115, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 115, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 115, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 115, 31);  
box-shadow:4px 4px 4px 4px rgb(157, 115,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2827, 19.5285, 3.9967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 115, 31) }
```

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

```
.background{ background-color: rgb(157,  
115, 31) }
```

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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