

Converting Colors

XYZ(20.7831, 20.7267, 2.0547)

Have a look what the booklet for
XYZ(20.7831, 20.7267, 2.0547)
contains.

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Color

**XYZ(21.0145, 20.8039,
2.9080)**

Conversions

Conversions Part 1

Format	Color
Hex	9F7800
RGB	159, 120, 0
RGB Percent	62%, 47%, 0%
CMY	0.3765, 0.5294, 1.0000
CMYK	0.00, 0.25, 1.00, 0.38
HSL	45°, 100%, 31%
HSV	45°, 100%, 62%
XYZ	21.0145, 20.8039, 2.9080
YIQ	117.9810, 61.7640, -29.0520

Conversions

Conversions Part 2

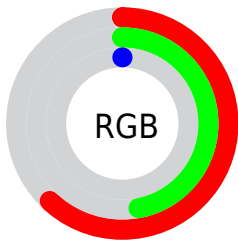
Format	Color
R _Y B	52, 159, 0
Decimal	10450944
CIE Lab	52.73, 6.07, 58.72
CIE LCh	53, 59.038, 84.096
Yxy	20.8039, 0.4698, 0.4651
Android (android.graphics.Color)	4288641024 (0xFF9F7800)
YUV	117.9810, -58.1646, 35.9737
Hunter-Lab	45.6113, 2.4206, 28.1478

Details

The XYZ color **21.0145, 20.8039, 2.9080** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.9836, 3.9545, 33.1956**, and the grayscale version is **17.3777, 18.2827, 19.9098**.

A 20% lighter version of the original color is **44.6493, 44.8038, 11.4490**, and **7.9109, 7.5183, 1.0342** is the 20% darker color. If you saturate the color by 10%, you get **21.0147, 20.8044, 2.9081**, and if you desaturate by 10%, it is **21.5864, 21.7993, 3.5566**.

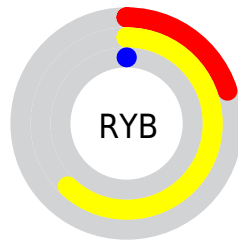
Distribution



Red (62%)

Green (47%)

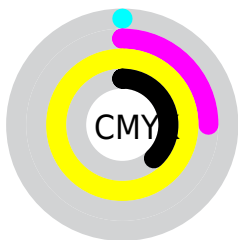
Blue (0%)



Red (20%)

Yellow (62%)

Blue (0%)

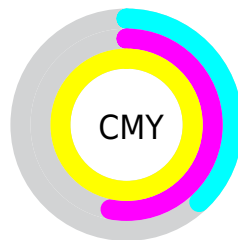


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (38%)



Cyan (38%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0145, 20.8039, 2.9080 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 21.0145, 20.8039, 2.9080 by changing the saturation by 10% instead.

■ 21.0145, 20.8039,
2.9080

■ 21.0145, 20.8039,
2.9080

250.0858,
256.2345, 135.1801

■ 13.2471, 12.9807,
1.0479

■ 44.6028, 44.7609,
11.4006

■ 7.6771, 7.4153,
0.0000

■ 61.1544, 61.6636,
18.8701

■ 3.9391, 3.7231,
0.0000

■ 81.3647, 82.3616,
29.0464

■ 1.6677, 1.5199,
0.0000

■ 105.5992,
107.2392, 42.3482

■ 0.4359, 0.3027,
0.0000

■ 134.2233,
136.6809, 59.1939

■ 0.0000, 0.0000,
0.0000

■ 167.6021,

171.0711, 80.0021

206.1012,
210.7942, 105.1913

21.0145, 20.8039,
2.9080

21.0145, 20.8039,
2.9080

21.0147, 20.8044,
2.9081

21.5864, 21.7993,
3.5566

22.2496, 22.8613,
4.5929

23.0365, 24.0041,
6.1840

23.9606, 25.2333,
8.3999

25.0333, 26.5540,
11.3005

■ 26.2650, 27.9705,
14.9385

■ 27.6649, 29.4869,
19.3615

■ 29.2413, 31.1068,
24.6129

■ 31.0022, 32.8338,
30.7330

Harmonies

Analogous

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



27.5472, 20.8039, 4.8071



21.0145, 20.8039, 2.9080



15.3294, 20.8039, 3.6715

Triad

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



21.0145, 20.8039, 2.9080



10.8266, 20.8039, 39.4751



30.9770, 20.8039, 48.8698

Complementary

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



21.0145, 20.8039, 2.9080



6.9836, 3.9545, 33.1956

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.



25.0028, 20.8039, 69.7408



21.0145, 20.8039, 2.9080



13.6199, 20.8039, 62.6276

Square

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



21.0145, 20.8039, 2.9080



10.1920, 20.8039, 19.3450



18.5823, 20.8039, 75.7697



34.0163, 20.8039, 26.3157

Rectangle

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



21.0145, 20.8039, 2.9080



12.6357, 20.8039, 6.0001



18.5823, 20.8039, 75.7697



29.1925, 20.8039, 56.7013

Sweetspot

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



21.0150, 20.8049, 2.9084



49.3932, 52.6477, 34.1793



14.6768, 7.5226, 2.6643



10.9044, 11.6223, 6.9650



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.



21.0150, 20.8049, 2.9084



37.4768, 36.9411, 5.1551



20.0403, 28.7357, 4.4906



7.0323, 7.4445, 7.0520



16.6321, 16.4999, 2.3082



0.3280, 0.3562, 0.0515

Inverse Universe

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



6.9836, 3.9545, 33.1956



12.3765, 6.8210, 59.4077



7.1236, 2.9496, 32.9943



6.4103, 6.6864, 8.3594



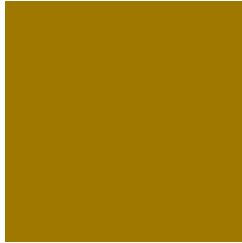
5.5445, 3.1806, 26.2289



0.1291, 0.1168, 0.4790

Previews

White Background



This preview shows how the XYZ color 21.0145, 20.8039, 2.9080 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 21.0145, 20.8039, 2.9080 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 21.0145, 20.8039, 2.9080

Background



This preview shows how black text looks on a background with the XYZ color 21.0145, 20.8039, 2.9080.



This preview shows how white text looks on a background with the XYZ color 21.0145, 20.8039,

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

21.0145, 20.8039, 2.9080

Protanopia

18.7940, 20.9492, 3.3115

Deuteranopia

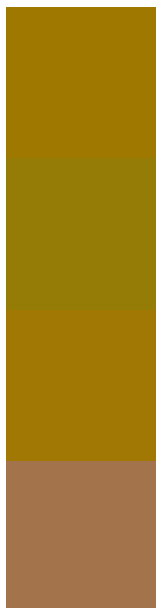
21.2356, 20.9153, 3.0327



Tritanopia

24.7014, 20.9437, 20.5099

Trichromacy



Original Color

21.0145, 20.8039, 2.9080

Protanomaly

19.4533, 20.7244, 3.1472

Deuteranomaly

21.2301, 20.9131, 3.0038

Tritanomaly

22.5395, 20.5698, 9.6199

Monochromacy



Original Color

21.0145, 20.8039, 2.9080

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.5397, 18.6882, 9.3394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0145, 20.8039, 2.9080 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, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 120, 0)  
}
```

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, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 120, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.0145, 20.8039, 2.9080 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, 120, 0) }
```


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

```
.border{ border-color:rgb(159, 120, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 120, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 120,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0145, 20.8039, 2.9080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 120, 0) }
```

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

```
.background{ background-color: rgb(159,  
120, 0) }
```

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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