

Converting Colors

XYZ(20.0515, 19.5051, 3.6793)

Have a look what the booklet for
XYZ(20.0515, 19.5051, 3.6793)
contains.

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Color

**XYZ(20.1421, 19.6333,
3.7053)**

Conversions

Conversions Part 1

Format	Color
Hex	9C741A
RGB	156, 116, 26
RGB Percent	61%, 45%, 10%
CMY	0.3882, 0.5451, 0.8980
CMYK	0.00, 0.26, 0.83, 0.39
HSL	42°, 71%, 36%
HSV	42°, 83%, 61%
XYZ	20.1421, 19.6333, 3.7053
YIQ	117.7000, 52.7300, -19.5100

Conversions

Conversions Part 2

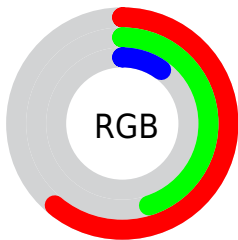
Format	Color
RYB	84, 156, 26
Decimal	10253338
CIELab	51.42, 7.49, 51.43
CIELCh	51, 51.973, 81.710
Yxy	19.6333, 0.4632, 0.4515
Android (android.graphics.Color)	4288443418 (0xFF9C741A)
YUV	117.7000, -45.2081, 33.5891
Hunter-Lab	44.3095, 3.6005, 26.0586

Details

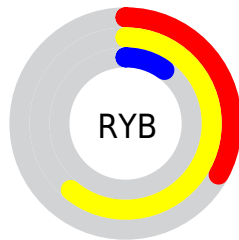
The XYZ color **20.1421, 19.6333, 3.7053** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.3749, 6.5162, 32.2684**, and the grayscale version is **17.2519, 18.1503, 19.7657**.

A 20% lighter version of the original color is **43.1455, 42.8659, 13.3971**, and **7.3227, 6.8436, 0.9350** is the 20% darker color. If you saturate the color by 10%, you get **19.4740, 18.5043, 2.8441**, and if you desaturate by 10%, it is **20.9346, 20.8594, 5.0764**.

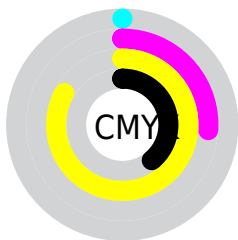
Distribution



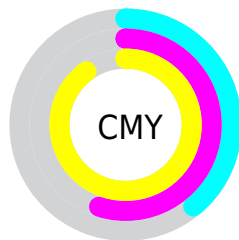
- Red (61%)
- Green (45%)
- Blue (10%)



- Red (33%)
- Yellow (61%)
- Blue (10%)



- Cyan (0%)
- Magenta (26%)
- Yellow (83%)
- Black (39%)



- Cyan (39%)
- Magenta (55%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1421, 19.6333, 3.7053 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 20.1421, 19.6333, 3.7053 by changing the saturation by 10% instead.

■ 20.1421, 19.6333,
3.7053

■ 20.1421, 19.6333,
3.7053

245.5023,
249.9230, 144.8912

■ 12.6072, 12.1288,
1.4651

■ 43.1574, 42.8015,
13.3242

■ 7.2338, 6.8314,
0.1917

■ 59.3686, 59.2340,
21.5400

■ 3.6564, 3.3569,
0.0000

■ 79.2026, 79.4113,
32.5847

■ 1.5096, 1.3208,
0.0000

■ 103.0248,
103.7177, 46.8768

■ 0.3324, 0.1572,
0.0000

■ 131.2005,
132.5377, 64.8351

■ 0.0000, 0.0000,
0.0000

■ 164.0950,

166.2556, 86.8778

202.0739,
205.2559, 113.4237

20.1421, 19.6333,
3.7053

20.1421, 19.6333,
3.7053

19.4740, 18.5043,
2.8441

20.9346, 20.8594,
5.0764

19.0731, 17.7938,
2.4293

21.8640, 22.1858,
7.0275

22.9426, 23.6190,
9.6190

24.1806, 25.1636,
12.9030

25.5874, 26.8241,
16.9266

■ 27.1714, 28.6045,
21.7325

■ 28.9404, 30.5084,
27.3602

■ 30.9019, 32.5394,
33.8464

■ 33.0627, 34.7009,
41.2259

Harmonies

Analogous

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



25.5779, 19.6333, 5.8456



20.1421, 19.6333, 3.7053



15.1969, 19.6333, 4.2710

Triad

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



20.1421, 19.6333, 3.7053



10.8188, 19.6333, 33.8349



27.6740, 19.6333, 44.5227

Complementary

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



20.1421, 19.6333, 3.7053



8.3749, 6.5162, 32.2684

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.



22.6148, 19.6333, 60.6167



20.1421, 19.6333, 3.7053



13.1189, 19.6333, 52.7051

Square

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



20.1421, 19.6333, 3.7053



10.4032, 19.6333, 17.5035



17.2541, 19.6333, 64.1577



30.4253, 19.6333, 25.7842

Rectangle

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



20.1421, 19.6333, 3.7053



12.7604, 19.6333, 6.3212



17.2541, 19.6333, 64.1577



26.1467, 19.6333, 50.7235

Sweetspot

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



20.1425, 19.6343, 3.7057



48.7010, 51.2360, 37.4597



15.0978, 8.2141, 6.1265



10.5078, 11.0410, 7.6061



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.



20.1425, 19.6343, 3.7057



34.4617, 31.9571, 4.3520



21.6166, 28.7702, 5.3914



6.9978, 7.3756, 7.0405



15.7423, 14.7201, 2.0116



0.3170, 0.3342, 0.0478

Inverse Universe

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



8.3749, 6.5162, 32.2684



12.6635, 7.8884, 57.9819



7.6775, 3.8132, 31.7834



6.4429, 6.7516, 8.3703



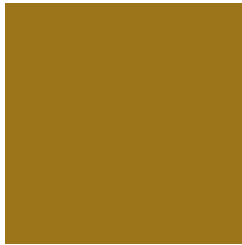
5.8410, 3.7736, 26.3277



0.1395, 0.1375, 0.4824

Previews

White Background



This preview shows how the XYZ color 20.1421, 19.6333, 3.7053 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 20.1421, 19.6333, 3.7053 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 20.1421, 19.6333, 3.7053

Background



This preview shows how black text looks on a background with the XYZ color 20.1421, 19.6333, 3.7053.



This preview shows how white text looks on a background with the XYZ color 20.1421, 19.6333,

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

20.1421, 19.6333, 3.7053

Protanopia

17.7738, 19.6530, 3.9552

Deuteranopia

20.0653, 19.7657, 3.7349



Tritanopia

23.2129, 19.5631, 19.0756

Trichromacy



Original Color

20.1421, 19.6333, 3.7053

Protanomaly

18.5914, 19.5318, 3.8271

Deuteranomaly

20.0653, 19.7657, 3.7349

Tritanomaly

21.5438, 19.3643, 10.7858

Monochromacy



Original Color

20.1421, 19.6333, 3.7053

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.5167, 18.2840, 11.2003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1421, 19.6333, 3.7053 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(156, 116, 26)` looks like.

```
.text, #text, p{  
    color:rgb(156, 116, 26)  
}
```

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(156, 116, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 116, 26) }
```

Border

The CSS property to change the border of an element to XYZ 20.1421, 19.6333, 3.7053 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(156, 116, 26) }
```


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

```
.border{ border-color:rgb(156, 116, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 116, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 116, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 116, 26);  
box-shadow:4px 4px 4px 4px rgb(156, 116,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1421, 19.6333, 3.7053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 116, 26) }
```

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

```
.background{ background-color: rgb(156,  
116, 26) }
```

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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