Converting Colors

XYZ(20.9541, 19.4254, 2.6451)

Have a look what the booklet for XYZ(20.9541, 19.4254, 2.6451) contains.

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Color

XYZ(20.8984, 19.3749, 2.6383)

Conversions

Conversions Part 1

Format	Color
Hex	A37000
RGB	163, 112, 0
RGB Percent	64%, 44%, 0%
CMY	0.3608, 0.5608, 1.0000
CMYK	0.00, 0.31, 1.00, 0.36
HSL	41°, 100%, 32%
HSV	41°, 100%, 64%
XYZ	20.8984, 19.3749, 2.6383
YIQ	114.4810, 66.3480, -24.0200

Conversions

Conversions Part 2

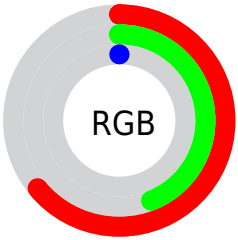
Format	Color
RYB	74, 163, 0
Decimal	10711040
CIELab	51.12, 12.46, 57.86
CIELCh	51, 59.182, 77.846
Yxy	19.3749, 0.4870, 0.4515
Android (android.graphics.Color)	4288901120 (0xFFA37000)
YUV	114.4810, -56.4391, 42.5512
Hunter-Lab	44.0169, 7.7188, 27.2581

Details

The XYZ color 20.8984, 19.3749, 2.6383 is a dark color, and the websafe version is hex 996600. A complement of this color would be 7.7948, 5.0122, 35.2065, and the grayscale version is 16.2905, 17.1389, 18.6642.

A 20% lighter version of the original color is 44.6323, 42.6091, 10.7225, and 7.7773, 6.7310, 0.8893 is the 20% darker color. If you saturate the color by 10%, you get 20.8985, 19.3753, 2.6383, and if you desaturate by 10%, it is 21.5734, 20.5717, 3.3361.

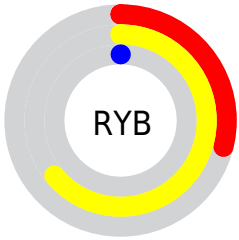
Distribution



Red (64%)

Green (44%)

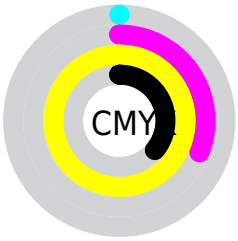
Blue (0%)



Red (29%)

Yellow (64%)

Blue (0%)

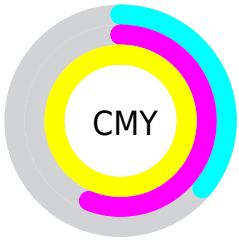


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8984, 19.3749, 2.6383 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 20.8984, 19.3749, 2.6383 by changing the saturation by 10% instead.

20.8984, 19.3749, 2.6383

20.8984, 19.3749, 2.6383

249.4800, 248.5107, 131.6115

13.1618, 11.9415, 0.9121

44.4109, 42.3666, 10.7221

7.6178, 6.7038, 0.0000

60.9176, 58.6937, 17.9177

3.9011, 3.2776, 0.0000

81.0783, 78.7542, 27.7738

1.6463, 1.2783, 0.0000

105.2584, 102.9324, 40.7090

0.4223, 0.1243, 0.0000

133.8232, 131.6128, 57.1419

0.0000, 0.0000, 0.0000

167.1382,

165.1797, 77.4909

205.5687, 204.0175, 102.1745

20.8984, 19.3749, 2.6383

20.8985, 19.3753, 2.6383

20.8984, 19.3749, 2.6383

21.5734, 20.5717, 3.3361

22.3578, 21.8633, 4.4519

23.2852, 23.2648, 6.1588

24.3703, 24.7827, 8.5317

25.6258, 26.4229, 11.6343

27.0625, 28.1906, 15.5226

28.6908, 30.0904, 20.2475

30.5196, 32.1269, 25.8553

32.5577, 34.3041, 32.3888

Harmonies

Analogous

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

27.0882, 19.3749, 5.0495

20.8984, 19.3749, 2.6383

15.1646, 19.3749, 2.8518

Triad

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

20.8984, 19.3749, 2.6383

9.6169, 19.3749, 32.6500

28.1276, 19.3749, 51.1235

Complementary

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

20.8984, 19.3749, 2.6383

7.7948, 5.0122, 35.2065

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.

22.1001, 19.3749, 69.3321

20.8984, 19.3749, 2.6383

11.8246, 19.3749, 55.3344

Square

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

20.8984, 19.3749, 2.6383

9.4298, 19.3749, 14.9894

16.1370, 19.3749, 71.1872

31.8190, 19.3749, 28.6698

Rectangle

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

20.8984, 19.3749, 2.6383

12.3156, 19.3749, 4.4703

16.1370, 19.3749, 71.1872

26.2552, 19.3749, 58.3621

Sweetspot

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

20.8988, 19.3759, 2.6387

51.2105, 53.6929, 35.7460

15.7155, 8.0311, 3.9262

11.2311, 11.7472, 7.2318

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.

20.8988, 19.3759, 2.6387

37.2422, 34.3282, 4.6631

22.7885, 31.1902, 4.8195

7.4616, 7.8616, 7.5043

16.2840, 15.1420, 2.0644

0.3814, 0.3966, 0.0564

Inverse Universe

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

7.7948, 5.0122, 35.2065

13.8005, 8.6577, 62.9999

7.1431, 2.9188, 34.8368

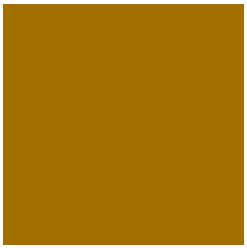
6.8729, 7.2048, 8.9315

6.0945, 3.9684, 27.3745

0.1686, 0.1644, 0.5887

Previews

White Background

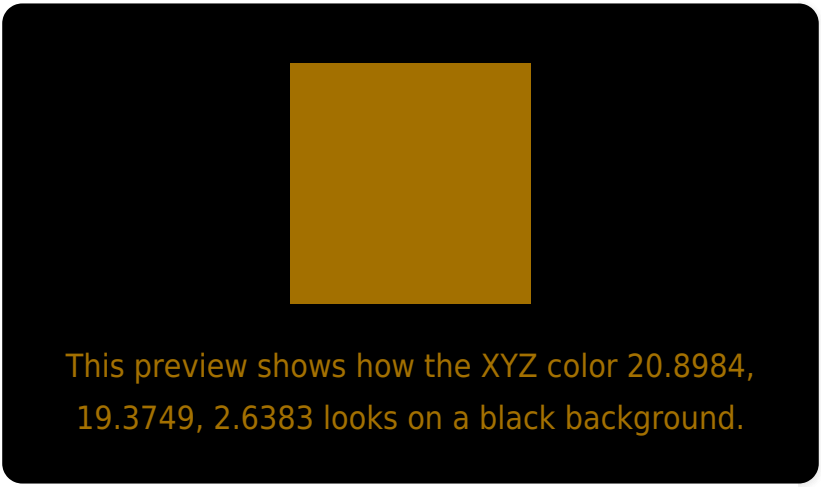


This preview shows how the XYZ color 20.8984, 19.3749, 2.6383 looks on a white background.

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

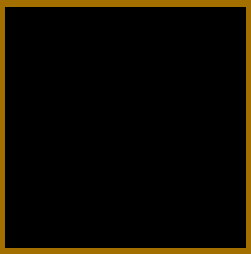


Color Contrast Check

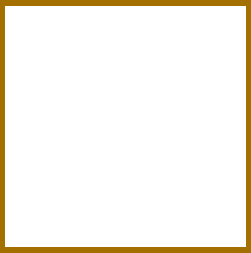
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 20.8984, 19.3749, 2.6383 Background



This preview shows how black text looks on a background with the XYZ color 20.8984, 19.3749, 2.6383.



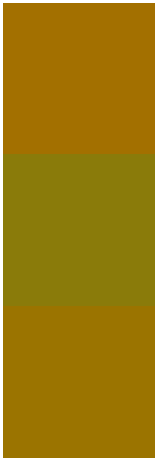
This preview shows how white text looks on a background with the XYZ color 20.8984, 19.3749,

2.6383.

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



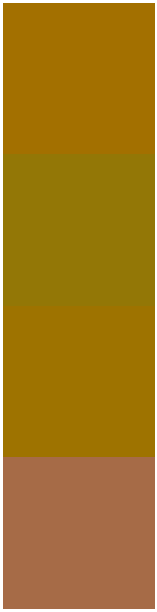
Original Color
20.8984, 19.3749, 2.6383

Protanopia
17.6190, 19.5911, 3.1400

Deuteranopia
19.7630, 19.4593, 2.7144

Tritanopia
24.0234, 19.3953, 17.8067

Trichromacy



Original Color
20.8984, 19.3749, 2.6383

Protanomaly
18.6623, 19.4098, 2.9352

Deuteranomaly
20.2313, 19.5306, 2.7035

Tritanomaly
22.1209, 19.0773, 8.4776

Monochromacy

Original Color
20.8984, 19.3749, 2.6383

Achromatopsia
15.9940, 16.8269, 18.3245

Achromatomaly
16.6234, 17.1968, 8.7465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8984, 19.3749, 2.6383 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(163, 112, 0) looks like.

```
.text, #text, p{
    color:rgb(163, 112, 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(163, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 112, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.8984, 19.3749, 2.6383 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(163, 112, 0) }
```

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

```
.border{ border-color:rgb(163, 112, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 112, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 112, 0); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 112, 0); box-shadow:4px 4px 4px 4px rgb(163, 112, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8984, 19.3749, 2.6383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(163, 112, 0) }
```

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

```
.background{ background-color:rgb(163,
112, 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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