

Converting Colors

XYZ(19.7332, 16.2285, 0.6632)

Have a look what the booklet for
XYZ(19.7332, 16.2285, 0.6632)
contains.

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Color

**XYZ(20.0286, 16.3999,
2.1099)**

Conversions

Conversions Part 1

Format	Color
Hex	A75F00
RGB	167, 95, 0
RGB Percent	65%, 37%, 0%
CMY	0.3451, 0.6274, 1.0000
CMYK	0.00, 0.43, 1.00, 0.35
HSL	34°, 100%, 33%
HSV	34°, 100%, 65%
XYZ	20.0286, 16.3999, 2.1099
YIQ	105.6980, 73.4070, -14.2810

Conversions

Conversions Part 2

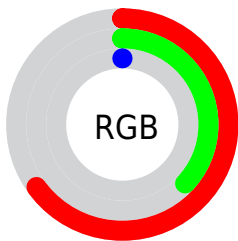
Format	Color
R_{YB}	127, 167, 0
Decimal	10968832
CIE _{Lab}	47.49, 23.85, 55.75
CIE _{LCh}	47, 60.642, 66.838
Yxy	16.3999, 0.5197, 0.4255
Android (android.graphics.Color)	4289158912 (0xFFA75F00)
YUV	105.6980, -52.1091, 53.7619
Hunter-Lab	40.4968, 17.4118, 25.2587

Details

The XYZ color **20.0286, 16.3999, 2.1099** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.2925, 7.4248, 37.5024**, and the grayscale version is **13.7415, 14.4571, 15.7438**.

A 20% lighter version of the original color is **43.1161, 37.3887, 9.3591**, and **7.3636, 5.3651, 0.6475** is the 20% darker color. If you saturate the color by 10%, you get **20.0287, 16.4003, 2.1099**, and if you desaturate by 10%, it is **20.8067, 17.7980, 2.8571**.

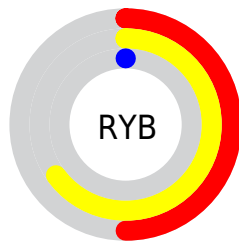
Distribution



Red (65%)

Green (37%)

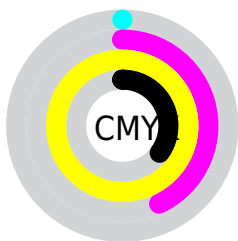
Blue (0%)



Red (50%)

Yellow (65%)

Blue (0%)

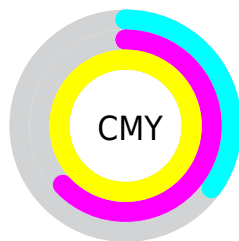


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0286, 16.3999, 2.1099 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 20.0286, 16.3999, 2.1099 by changing the saturation by 10% instead.

■ 20.0286, 16.3999,
2.1099

■ 20.0286, 16.3999,
2.1099

244.9005,
231.6900, 124.0606

■ 12.5242, 9.8076,
0.6217

■ 42.9687, 37.2911,
9.3391

■ 7.1765, 5.2716,
0.0000

■ 59.1351, 52.3587,
15.9562

■ 3.6200, 2.4075,
0.0000

■ 78.9196, 71.0202,
25.1329

■ 1.4895, 0.8297,
0.0000

■ 102.6876, 93.6600,
37.2879


■ 0.3187, 0.0000,
0.0000


■ 130.8042,
120.6625, 52.8396


■ 0.0000, 0.0000,
0.0000


■ 163.6351,


152.4121, 72.2066


 201.5454,
189.2931, 95.8074


 20.0286, 16.3999,
2.1099


 20.0286, 16.3999,
2.1099


 20.0287, 16.4003,
2.1099

 20.8067, 17.7980,
2.8571

 21.7284, 19.3513,
4.0588

 22.8295, 21.0772,
5.8946

 24.1267, 22.9846,
8.4445

 25.6340, 25.0814,
11.7765

■ 27.3642, 27.3749,
15.9505

■ 29.3287, 29.8718,
21.0206

■ 31.5382, 32.5783,
27.0363

■ 34.0025, 35.5005,
34.0435

Harmonies

Analogous

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



25.4378, 16.3999, 5.3198



20.0286, 16.3999, 2.1099



14.3861, 16.3999, 1.6272

Triad

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



20.0286, 16.3999, 2.1099



7.3971, 16.3999, 21.6282



22.6619, 16.3999, 53.6914

Complementary

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



20.0286, 16.3999, 2.1099



9.2925, 7.4248, 37.5024

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.



16.8542, 16.3999, 66.4965



20.0286, 16.3999, 2.1099



8.6786, 16.3999, 42.2118

Square

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



20.0286, 16.3999, 2.1099



7.8701, 16.3999, 8.5432



11.8570, 16.3999, 61.3937



27.1865, 16.3999, 32.2563

Rectangle

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



20.0286, 16.3999, 2.1099



11.3620, 16.3999, 2.3096



11.8570, 16.3999, 61.3937



20.7492, 16.3999, 59.5789

Sweetspot

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



20.0290, 16.4008, 2.1102



52.3226, 53.2447, 37.1074



17.1181, 8.6883, 6.9691



11.3801, 11.5012, 7.4437



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.0290, 16.4008, 2.1102



35.6618, 28.9550, 3.7093



27.5032, 34.6919, 5.2468



7.8719, 8.2240, 7.9618



15.3756, 12.6485, 1.6310



0.4234, 0.4064, 0.0561

Inverse Universe

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



9.2925, 7.4248, 37.5024



16.4455, 12.9039, 67.0992



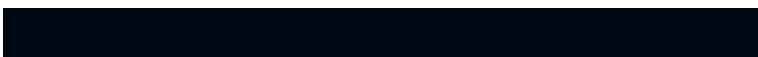
7.1149, 2.8622, 36.7365



7.3878, 7.8126, 9.5369



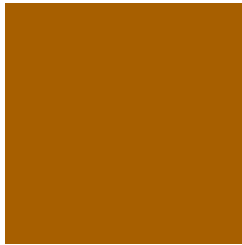
7.1574, 5.7751, 28.7130



0.2253, 0.2429, 0.7156

Previews

White Background



This preview shows how the XYZ color 20.0286, 16.3999, 2.1099 looks on a white background.

Color Contrast Check

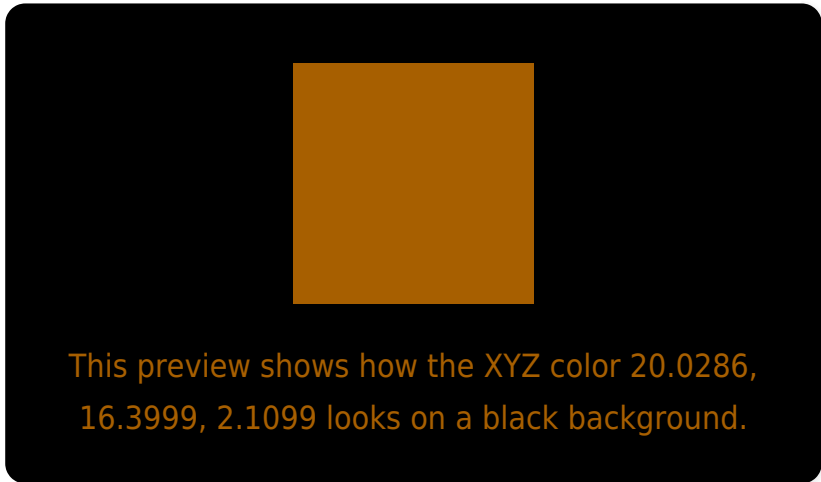
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

XYZ 20.0286, 16.3999, 2.1099

Background



This preview shows how black text looks on a background with the XYZ color 20.0286, 16.3999, 2.1099.



This preview shows how white text looks on a background with the XYZ color 20.0286, 16.3999,

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

20.0286, 16.3999, 2.1099

Protanopia

14.9920, 16.6529, 2.8049

Deuteranopia

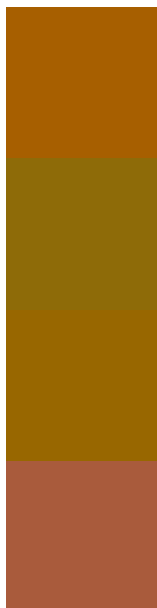
16.5854, 16.3550, 2.2827



Tritanopia

22.1328, 16.3517, 12.8161

Trichromacy



Original Color

20.0286, 16.3999, 2.1099

Protanomaly

16.4569, 16.2837, 2.5054

Deuteranomaly

17.7991, 16.3759, 2.2227

Tritanomaly

20.9189, 16.2434, 6.3077

Monochromacy



Original Color

20.0286, 16.3999, 2.1099

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.6666, 14.4972, 7.3354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0286, 16.3999, 2.1099 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(167, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 95, 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(167, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 95, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.0286, 16.3999, 2.1099 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(167, 95, 0) }
```


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

```
.border{ border-color:rgb(167, 95, 0) }
```

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

Here you see how a box with a 4 pixel rgb(167, 95, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 95, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.0286, 16.3999, 2.1099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 95, 0) }
```

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

```
.background{ background-color: rgb(167, 95,  
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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