

Converting Colors

XYZ(19.9867, 17.7267, 2.7976)

Have a look what the booklet for
XYZ(19.9867, 17.7267, 2.7976)
contains.

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Color

**XYZ(20.0311, 17.8162,
2.7986)**

Conversions

Conversions Part 1

Format	Color
Hex	A2690E
RGB	162, 105, 14
RGB Percent	64%, 41%, 5%
CMY	0.3647, 0.5882, 0.9451
CMYK	0.00, 0.35, 0.91, 0.36
HSL	37°, 84%, 35%
HSV	37°, 91%, 64%
XYZ	20.0311, 17.8162, 2.7986
YIQ	111.6690, 63.1830, -16.2170

Conversions

Conversions Part 2

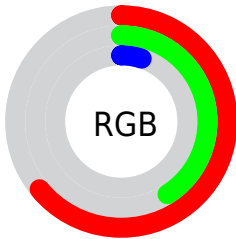
Format	Color
RYB	107, 162, 14
Decimal	10643726
CIELab	49.27, 16.20, 53.52
CIElCh	49, 55.914, 73.156
Yxy	17.8162, 0.4928, 0.4383
Android (android.graphics.Color)	4288833806 (0xFFA2690E)
YUV	111.6690, -48.1508, 44.1403
Hunter-Lab	42.2092, 10.8440, 25.6154

Details

The XYZ color **20.0311, 17.8162, 2.7986** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.9560, 7.2085, 35.1014**, and the grayscale version is **15.4282, 16.2317, 17.6763**.

A 20% lighter version of the original color is **42.8128, 39.5913, 11.1798**, and **7.3388, 6.0294, 0.7770** is the 20% darker color. If you saturate the color by 10%, you get **19.4201, 16.7212, 2.2040**, and if you desaturate by 10%, it is **20.8482, 19.1982, 3.8489**.

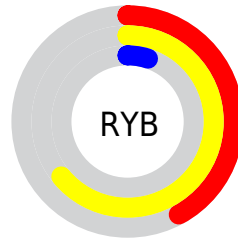
Distribution



Red (64%)

Green (41%)

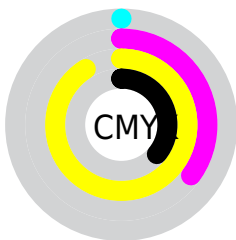
Blue (5%)



Red (42%)

Yellow (64%)

Blue (5%)

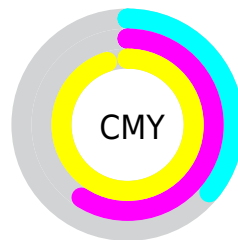


Cyan (0%)

Magenta (35%)

Yellow (91%)

Black (36%)



Cyan (36%)

Magenta (59%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0311, 17.8162, 2.7986 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 20.0311, 17.8162, 2.7986 by changing the saturation by 10% instead.

■ 20.0311, 17.8162,
2.7986

■ 20.0311, 17.8162,
2.7986

244.9138,
239.8330, 133.7527

■ 12.5260, 10.8181,
0.9927

■ 42.9729, 39.7239,
11.1273

■ 7.1777, 5.9447,
0.0000

■ 59.1403, 55.4023,
18.4872

■ 3.6208, 2.8115,
0.0000

■ 78.9259, 74.7429,
28.5356

■ 1.4899, 1.0341,
0.0000

■ 102.6950, 98.1301,
41.6909


■ 0.3190, 0.0000,
0.0000


■ 130.8130,
125.9483, 58.3717


■ 0.0000, 0.0000,
0.0000


■ 163.6452,


158.5820, 78.9966


 201.5570,
196.4154, 103.9841


 20.0311, 17.8162,
2.7986

 20.0311, 17.8162,
2.7986


 19.4201, 16.7212,
2.2040

 20.8482, 19.1982,
3.8489

 21.8190, 20.7170,
5.4757

 22.9591, 22.3813,
7.7549

 24.2817, 24.1976,
10.7508

 25.7981, 26.1720,
14.5197

■ 27.5189, 28.3100,
19.1121

■ 29.4537, 30.6169,
24.5746

■ 31.6113, 33.0974,
30.9498

■ 34.0001, 35.7562,
38.2779

Harmonies

Analogous

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



25.4183, 17.8162, 5.5813



20.0311, 17.8162, 2.7986



14.7383, 17.8162, 2.6682

Triad

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



20.0311, 17.8162, 2.7986



8.8824, 17.8162, 26.7518



24.8206, 17.8162, 49.0609

Complementary

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



20.0311, 17.8162, 2.7986



8.9560, 7.2085, 35.1014

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.



19.3371, 17.8162, 63.3734



20.0311, 17.8162, 2.7986



10.5848, 17.8162, 46.6581

Square

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



20.0311, 17.8162, 2.7986



8.9923, 17.8162, 12.1685



14.1734, 17.8162, 62.3186



28.5513, 17.8162, 29.0418

Rectangle

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



20.0311, 17.8162, 2.7986



11.9905, 17.8162, 3.8647



14.1734, 17.8162, 62.3186



23.0774, 17.8162, 55.0710

Sweetspot

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



20.0315, 17.8171, 2.7989



51.2615, 52.9672, 38.3145



16.2666, 8.4793, 7.1180



11.2663, 11.5986, 7.9184



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.



20.0315, 17.8171, 2.7989



35.0519, 29.9477, 3.9331



25.0680, 32.0937, 5.2891



7.4192, 7.7769, 7.4901



15.3424, 13.2587, 1.7505



0.3661, 0.3659, 0.0513

Inverse Universe

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



8.9560, 7.2085, 35.1014



14.8200, 10.6967, 63.3397



7.1798, 3.1812, 34.4177



6.9137, 7.2864, 8.9451



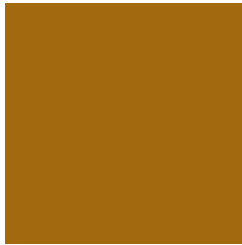
6.5509, 4.8812, 27.5267



0.1826, 0.1924, 0.5934

Previews

White Background



This preview shows how the XYZ color 20.0311, 17.8162, 2.7986 looks on a white background.

Color Contrast Check

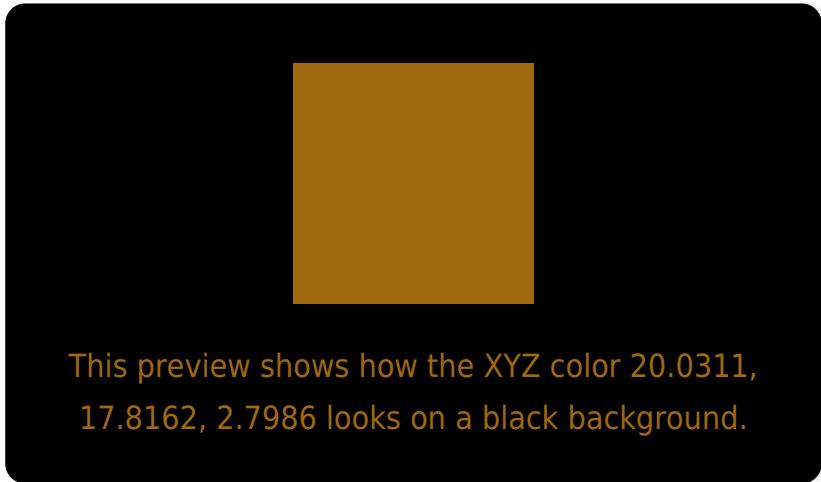
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ 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 20.0311, 17.8162, 2.7986

Background



This preview shows how black text looks on a background with the XYZ color 20.0311, 17.8162, 2.7986.



This preview shows how white text looks on a background with the XYZ color 20.0311, 17.8162,

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

20.0311, 17.8162, 2.7986

Protanopia

16.2605, 17.9871, 3.1871

Deuteranopia

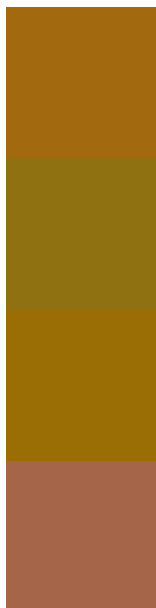
18.0789, 17.7584, 2.4749



Tritanopia

22.6434, 17.8623, 15.6189

Trichromacy



Original Color

20.0311, 17.8162, 2.7986

Protanomaly

17.5079, 17.7800, 3.0394

Deuteranomaly

18.8225, 17.8183, 2.5908

Tritanomaly

21.3404, 17.7746, 8.4370

Monochromacy



Original Color

20.0311, 17.8162, 2.7986

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.9791, 16.2049, 9.1231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0311, 17.8162, 2.7986 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(162, 105, 14)` looks like.

```
.text, #text, p{  
    color:rgb(162, 105, 14)  
}
```

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(162, 105, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 105, 14) }
```

Border

The CSS property to change the border of an element to XYZ 20.0311, 17.8162, 2.7986 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(162, 105, 14) }
```


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

```
.border{ border-color:rgb(162, 105, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 105, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 105, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 105, 14);  
box-shadow:4px 4px 4px 4px rgb(162, 105,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0311, 17.8162, 2.7986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 105, 14) }
```

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

```
.background{ background-color: rgb(162,  
105, 14) }
```

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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