

Converting Colors

XYZ(20.0789, 18.2814, 2.6600)

Have a look what the booklet for
XYZ(20.0789, 18.2814, 2.6600)
contains.

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Color

**XYZ(20.0989, 18.3175,
2.6773)**

Conversions

Conversions Part 1

Format	Color
Hex	A16C07
RGB	161, 108, 7
RGB Percent	63%, 42%, 3%
CMY	0.3686, 0.5765, 0.9725
CMYK	0.00, 0.33, 0.96, 0.37
HSL	39°, 92%, 33%
HSV	39°, 96%, 63%
XYZ	20.0989, 18.3175, 2.6773
YIQ	112.3330, 64.0090, -20.1750

Conversions

Conversions Part 2

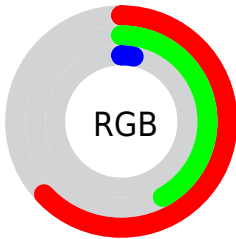
Format	Color
RYB	88, 161, 7
Decimal	10578951
CIELab	49.88, 13.92, 55.43
CIElCh	50, 57.149, 75.899
Yxy	18.3175, 0.4891, 0.4457
Android (android.graphics.Color)	4288769031 (0xFFA16C07)
YUV	112.3330, -51.9292, 42.6810
Hunter-Lab	42.7989, 8.9276, 26.2504

Details

The XYZ color **20.0989, 18.3175, 2.6773** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.1366, 5.8503, 34.4185**, and the grayscale version is **15.6345, 16.4487, 17.9127**.

A 20% lighter version of the original color is **42.9265, 40.4172, 10.8490**, and **7.3777, 6.2805, 0.8234** is the 20% darker color. If you saturate the color by 10%, you get **19.8101, 17.8015, 2.3919**, and if you desaturate by 10%, it is **20.8197, 19.5716, 3.4966**.

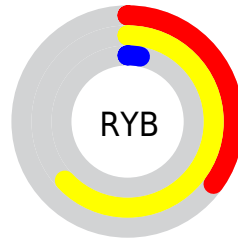
Distribution



Red (63%)

Green (42%)

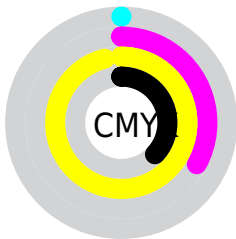
Blue (3%)



Red (35%)

Yellow (63%)

Blue (3%)

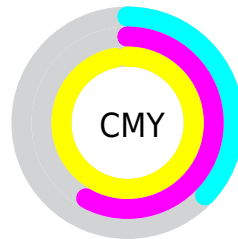


Cyan (0%)

Magenta (33%)

Yellow (96%)

Black (37%)



Cyan (37%)

Magenta (58%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0989, 18.3175, 2.6773 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 20.0989, 18.3175, 2.6773 by changing the saturation by 10% instead.

■ 20.0989, 18.3175,
2.6773

■ 20.0989, 18.3175,
2.6773

245.2734,
242.6546, 132.1381

■ 12.5756, 11.1782,
0.9320

■ 43.0856, 40.5776,
10.8212

■ 7.2120, 6.1868,
0.0000

■ 59.2798, 56.4672,
18.0572

■ 3.6425, 2.9590,
0.0000

■ 79.0949, 76.0423,
27.9606

■ 1.5020, 1.1104,
0.0000

■ 102.8965, 99.6873,
40.9500

■ 0.3272, 0.0000,
0.0000

■ 131.0497,
127.7866, 57.4439

■ 0.0000, 0.0000,
0.0000

■ 163.9201,

160.7247, 77.8609

201.8728,
198.8859, 102.6194

20.0989, 18.3175,
2.6773

20.0989, 18.3175,
2.6773

19.8101, 17.8015,
2.3919

20.8197, 19.5716,
3.4966

21.6746, 20.9389,
4.8366

22.6812, 22.4286,
6.7867

23.8532, 24.0469,
9.4141

25.2020, 25.7995,
12.7771

■ 26.7381, 27.6916,
16.9277

■ 28.4711, 29.7278,
21.9132

■ 30.4098, 31.9127,
27.7772

■ 32.5624, 34.2504,
34.5600

Harmonies

Analogous

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



25.7980, 18.3175, 5.1964



20.0989, 18.3175, 2.6773



14.6865, 18.3175, 2.7419

Triad

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



20.0989, 18.3175, 2.6773



9.1312, 18.3175, 29.3803



26.1023, 18.3175, 49.0874

Complementary

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



20.0989, 18.3175, 2.6773



8.1366, 5.8503, 34.4185

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.



20.4514, 18.3175, 65.1677



20.0989, 18.3175, 2.6773



11.0716, 18.3175, 50.3148

Square

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



20.0989, 18.3175, 2.6773



9.0758, 18.3175, 13.4724



14.9727, 18.3175, 65.7074



29.7246, 18.3175, 28.2151

Rectangle

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



20.0989, 18.3175, 2.6773



11.9454, 18.3175, 4.1471



14.9727, 18.3175, 65.7074



24.3298, 18.3175, 55.6206

Sweetspot

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



20.0993, 18.3184, 2.6776



49.7374, 51.7882, 35.5833



15.6137, 8.0650, 5.1351



10.6385, 11.0398, 7.0322



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.



20.0993, 18.3184, 2.6776



35.2884, 31.5011, 4.2204



23.2480, 30.8998, 4.9401



7.4432, 7.8248, 7.4981



15.8608, 14.2954, 1.9233



0.3746, 0.3831, 0.0542

Inverse Universe

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



8.1366, 5.8503, 34.4185



13.8358, 9.2379, 61.4404



7.0475, 3.0029, 33.9263



6.8905, 7.2400, 8.9374



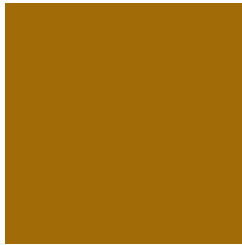
6.2794, 4.3381, 27.4362



0.1746, 0.1765, 0.5907

Previews

White Background



This preview shows how the XYZ color 20.0989, 18.3175, 2.6773 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



This preview shows how the XYZ color 20.0989, 18.3175, 2.6773 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 20.0989, 18.3175, 2.6773

Background



This preview shows how black text looks on a background with the XYZ color 20.0989, 18.3175, 2.6773.



This preview shows how white text looks on a background with the XYZ color 20.0989, 18.3175,

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

20.0989, 18.3175, 2.6773

Protanopia

16.5010, 18.2910, 3.0416

Deuteranopia

18.6676, 18.3896, 2.5657



Tritanopia

22.9898, 18.3040, 16.5087

Trichromacy



Original Color

20.0989, 18.3175, 2.6773

Protanomaly

17.6927, 18.2149, 2.8999

Deuteranomaly

19.2184, 18.3440, 2.6140

Tritanomaly

21.2974, 18.0479, 8.3223

Monochromacy



Original Color

20.0989, 18.3175, 2.6773

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.1264, 16.6091, 8.8345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0989, 18.3175, 2.6773 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(161, 108, 7)` looks like.

```
.text, #text, p{  
    color:rgb(161, 108, 7)  
}
```

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(161, 108, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 108, 7) }
```

Border

The CSS property to change the border of an element to XYZ 20.0989, 18.3175, 2.6773 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(161, 108, 7) }
```


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

```
.border{ border-color:rgb(161, 108, 7) }
```

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

Here you see how a box with a 4 pixel rgb(161, 108, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 108, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 108, 7);  
box-shadow:4px 4px 4px 4px rgb(161, 108,  
7) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0989, 18.3175, 2.6773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 108, 7) }
```

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

```
.background{ background-color: rgb(161,  
108, 7) }
```

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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