

Converting Colors

XYZ(20.7143, 18.1615, 2.4138)

Have a look what the booklet for
XYZ(20.7143, 18.1615, 2.4138)
contains.

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Color

**XYZ(20.7775, 18.2101,
2.4198)**

Conversions

Conversions Part 1

Format	Color
Hex	A66900
RGB	166, 105, 0
RGB Percent	65%, 41%, 0%
CMY	0.3490, 0.5882, 1.0000
CMYK	0.00, 0.37, 1.00, 0.35
HSL	38°, 100%, 33%
HSV	38°, 100%, 65%
XYZ	20.7775, 18.2101, 2.4198
YIQ	111.2690, 70.0610, -19.7230

Conversions

Conversions Part 2

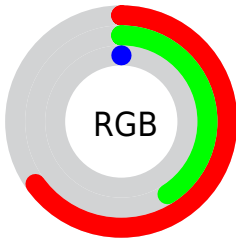
Format	Color
R _{YB}	96, 166, 0
Decimal	10905856
CIE Lab	49.75, 17.80, 57.13
CIE LCh	50, 59.839, 72.700
Yxy	18.2101, 0.5018, 0.4398
Android (android.graphics.Color)	4289095936 (0xFFA66900)
YUV	111.2690, -54.8556, 47.9991
Hunter-Lab	42.6733, 12.2329, 26.5093

Details

The XYZ color **20.7775, 18.2101, 2.4198** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.5518, 6.0908, 36.8012**, and the grayscale version is **15.3286, 16.1269, 17.5622**.

A 20% lighter version of the original color is **44.1497, 40.3046, 10.1552**, and **7.6974, 6.2143, 0.7938** is the 20% darker color. If you saturate the color by 10%, you get **20.7777, 18.2106, 2.4199**, and if you desaturate by 10%, it is **21.5198, 19.5379, 3.1513**.

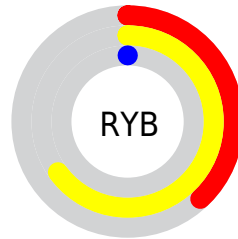
Distribution



Red (65%)

Green (41%)

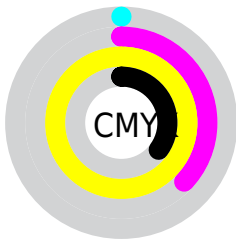
Blue (0%)



Red (38%)

Yellow (65%)

Blue (0%)

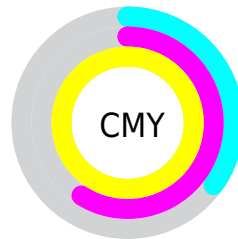


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7775, 18.2101, 2.4198 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 20.7775, 18.2101, 2.4198 by changing the saturation by 10% instead.

■ 20.7775, 18.2101,
2.4198

■ 20.7775, 18.2101,
2.4198

248.8478,
242.0526, 128.5882

■ 13.0730, 11.1009,
0.7972

■ 44.2110, 40.3950,
10.1596

■ 7.5562, 6.1348,
0.0000

■ 60.6707, 56.2395,
17.1234

■ 3.8617, 2.9272,
0.0000

■ 80.7795, 75.7646,
26.7078

■ 1.6242, 1.0938,
0.0000

■ 104.9028, 99.3547,
39.3314

■ 0.4081, 0.0000,
0.0000

■ 133.4060,
127.3942, 55.4127

■ 0.0000, 0.0000,
0.0000

■ 166.6543,

160.2674, 75.3703

■ 205.0131,
198.3587, 99.6226

■ 20.7775, 18.2101,
2.4198

■ 20.7775, 18.2101,
2.4198

■ 20.7777, 18.2106,
2.4199

■ 21.5198, 19.5379,
3.1513

■ 22.3883, 20.9881,
4.3251

■ 23.4181, 22.5770,
6.1192

■ 24.6247, 24.3121,
8.6120

■ 26.0217, 26.2003,
11.8704

■ 27.6211, 28.2475,
15.9533

■ 29.4335, 30.4594,
20.9137

■ 31.4691, 32.8411,
26.8003

■ 33.7369, 35.3976,
33.6581

Harmonies

Analogous

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



26.6804, 18.2101, 5.2474



20.7775, 18.2101, 2.4198



15.0081, 18.2101, 2.2628

Triad

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



20.7775, 18.2101, 2.4198



8.6646, 18.2101, 27.5623



25.8585, 18.2101, 53.0124

Complementary

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



20.7775, 18.2101, 2.4198



8.5518, 6.0908, 36.8012

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.



19.8320, 18.2101, 68.9386



20.7775, 18.2101, 2.4198



10.4365, 18.2101, 49.6526

Square

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



20.7775, 18.2101, 2.4198



8.8090, 18.2101, 11.8794



14.2482, 18.2101, 67.4521



30.0276, 18.2101, 30.7075

Rectangle

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



20.7775, 18.2101, 2.4198



12.0352, 18.2101, 3.4043



14.2482, 18.2101, 67.4521



23.9323, 18.2101, 59.7247

Sweetspot

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



20.7779, 18.2110, 2.4201



53.2242, 55.0478, 37.4079



16.6410, 8.4731, 5.5549



11.6033, 11.9476, 7.5181



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.



20.7779, 18.2110, 2.4201



37.5015, 32.6344, 4.3225



25.6033, 33.4416, 5.1056



7.9116, 8.3033, 7.9750



16.1578, 14.2128, 1.8917



0.4394, 0.4384, 0.0615

Inverse Universe

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



8.5518, 6.0908, 36.8012



15.3347, 10.6823, 66.7290



7.1588, 2.8955, 36.2579



7.3491, 7.7352, 9.5240



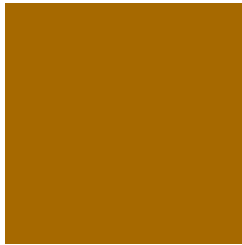
6.6727, 4.8057, 28.5514



0.2112, 0.2147, 0.7109

Previews

White Background



This preview shows how the XYZ color 20.7775, 18.2101, 2.4198 looks on a white background.

Color Contrast Check

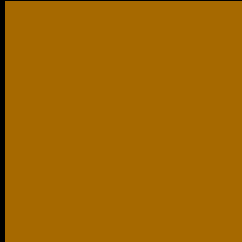
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7775, 18.2101, 2.4198 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 20.7775, 18.2101, 2.4198

Background



This preview shows how black text looks on a background with the XYZ color 20.7775, 18.2101, 2.4198.



This preview shows how white text looks on a background with the XYZ color 20.7775, 18.2101,

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

20.7775, 18.2101, 2.4198

Protanopia

16.4947, 18.2885, 3.0085

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

23.4950, 18.3013, 15.6588

Trichromacy



Original Color

20.7775, 18.2101, 2.4198

Protanomaly

17.9152, 18.1632, 2.7913

Deuteranomaly

19.2862, 18.2198, 2.5003

Tritanomaly

22.0290, 18.1476, 7.6520

Monochromacy



Original Color

20.7775, 18.2101, 2.4198

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.9660, 16.2175, 8.2500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7775, 18.2101, 2.4198 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(166, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 105, 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(166, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 105, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.7775, 18.2101, 2.4198 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(166, 105, 0) }
```


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

```
.border{ border-color:rgb(166, 105, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 105,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7775, 18.2101, 2.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 105, 0) }
```

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

```
.background{ background-color: rgb(166,  
105, 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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