

Converting Colors

XYZ(21.7786, 20.2901, 2.7685)

Have a look what the booklet for
XYZ(21.7786, 20.2901, 2.7685)
contains.

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Color

**XYZ(21.8566, 20.3685,
2.7795)**

Conversions

Conversions Part 1

Format	Color
Hex	A67300
RGB	166, 115, 0
RGB Percent	65%, 45%, 0%
CMY	0.3490, 0.5490, 1.0000
CMYK	0.00, 0.31, 1.00, 0.35
HSL	42°, 100%, 33%
HSV	42°, 100%, 65%
XYZ	21.8566, 20.3685, 2.7795
YIQ	117.1390, 67.3110, -24.9530

Conversions

Conversions Part 2

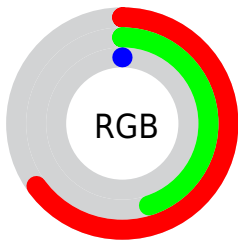
Format	Color
R_{YB}	74, 166, 0
Decimal	10908416
CIE _{Lab}	52.25, 12.14, 58.79
CIE _{LCh}	52, 60.026, 78.332
Yxy	20.3685, 0.4857, 0.4526
Android (android.graphics.Color)	4289098496 (0xFFA67300)
YUV	117.1390, -57.7495, 42.8511
Hunter-Lab	45.1315, 7.4652, 27.9406

Details

The XYZ color **21.8566, 20.3685, 2.7795** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.0667, 5.1208, 36.6392**, and the grayscale version is **17.1114, 18.0025, 19.6047**.

A 20% lighter version of the original color is **46.1369, 44.1878, 11.0985**, and **8.3138, 7.2655, 0.9642** is the 20% darker color. If you saturate the color by 10%, you get **21.8568, 20.3691, 2.7797**, and if you desaturate by 10%, it is **22.5529, 21.6043, 3.4957**.

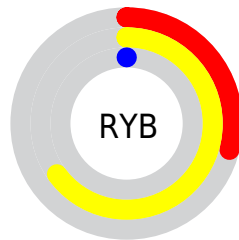
Distribution



Red (65%)

Green (45%)

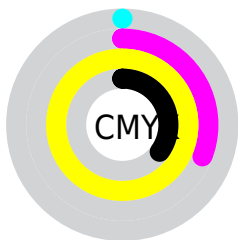
Blue (0%)



Red (29%)

Yellow (65%)

Blue (0%)

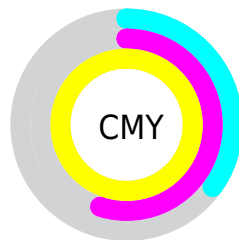


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8566, 20.3685, 2.7795 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 21.8566, 20.3685, 2.7795 by changing the saturation by 10% instead.

■ 21.8566, 20.3685,
2.7795

■ 21.8566, 20.3685,
2.7795

254.4430,
253.9031, 133.5007

■ 13.8676, 12.6632,
0.9832

■ 45.9895, 44.0341,
11.0793

■ 8.1097, 7.1970,
0.0000

■ 62.8641, 60.7633,
18.4199

■ 4.2176, 3.5856,
0.0000

■ 83.4312, 81.2691,
28.4456

■ 1.8260, 1.4446,
0.0000

■ 108.0563,
105.9361, 41.5751

■ 0.5332, 0.2492,
0.0000

■ 137.1047,
135.1486, 58.2268

■ 0.0000, 0.0000,
0.0000

■ 170.9417,

169.2910, 78.8192

■ 209.9326,
208.7477, 103.7711

■ 21.8566, 20.3685,
2.7795

■ 21.8566, 20.3685,
2.7795

■ 21.8568, 20.3691,
2.7797

■ 22.5529, 21.6043,
3.4957

■ 23.3626, 22.9369,
4.6499

■ 24.3203, 24.3817,
6.4200

■ 25.4414, 25.9458,
8.8843

■ 26.7390, 27.6350,
12.1095

■ 28.2246, 29.4548,
16.1544

■ 29.9088, 31.4101,
21.0720

■ 31.8011, 33.5054,
26.9108

■ 33.9105, 35.7450,
33.7157

Harmonies

Analogous

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



28.3551, 20.3685, 5.2587



21.8566, 20.3685, 2.7795



15.8665, 20.3685, 3.0431

Triad

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



21.8566, 20.3685, 2.7795



10.1487, 20.3685, 34.6565



29.6299, 20.3685, 53.2577

Complementary

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



21.8566, 20.3685, 2.7795



8.0667, 5.1208, 36.6392

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.



23.3312, 20.3685, 72.5122



21.8566, 20.3685, 2.7795



12.5016, 20.3685, 58.4183

Square

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



21.8566, 20.3685, 2.7795



9.9186, 20.3685, 15.9977



17.0605, 20.3685, 74.7848



33.4389, 20.3685, 29.7742

Rectangle

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



21.8566, 20.3685, 2.7795



12.9007, 20.3685, 4.7870



17.0605, 20.3685, 74.7848



27.6789, 20.3685, 60.8745

Sweetspot

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



21.8571, 20.3695, 2.7799



54.1010, 56.8014, 37.7001



16.3585, 8.3601, 4.0680



11.8212, 12.3834, 7.5907



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.



21.8571, 20.3695, 2.7799



39.4734, 36.5783, 4.9798



23.7193, 32.4702, 5.0174



7.9495, 8.3790, 7.9876



16.9918, 15.8808, 2.1697



0.4555, 0.4706, 0.0668

Inverse Universe

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



8.0667, 5.1208, 36.6392



14.4746, 8.9621, 66.4422



7.4312, 3.0359, 36.2703



7.3128, 7.6625, 9.5119



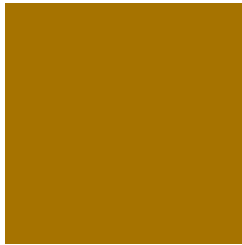
6.2925, 4.0451, 28.4246



0.1979, 0.1880, 0.7065

Previews

White Background



This preview shows how the XYZ color 21.8566, 20.3685, 2.7795 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



This preview shows how the XYZ color 21.8566, 20.3685, 2.7795 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 21.8566, 20.3685, 2.7795

Background



This preview shows how black text looks on a background with the XYZ color 21.8566, 20.3685, 2.7795.



This preview shows how white text looks on a background with the XYZ color 21.8566, 20.3685,

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

21.8566, 20.3685, 2.7795

Protanopia

18.3785, 20.3541, 3.2767

Deuteranopia

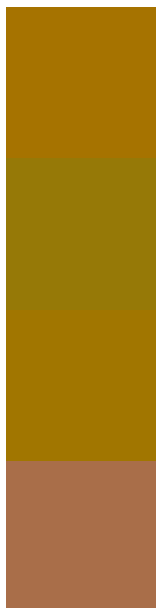
20.6974, 20.4628, 2.8588



Tritanopia

25.1468, 20.4111, 18.8340

Trichromacy



Original Color

21.8566, 20.3685, 2.7795

Protanomaly

19.4534, 20.1741, 3.0697

Deuteranomaly

21.1764, 20.5339, 2.8473

Tritanomaly

23.1407, 20.0679, 8.9572

Monochromacy



Original Color

21.8566, 20.3685, 2.7795

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.4731, 18.1361, 9.0582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8566, 20.3685, 2.7795 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, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 115, 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, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 115, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.8566, 20.3685, 2.7795 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, 115, 0) }
```


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

```
.border{ border-color:rgb(166, 115, 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, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 115,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8566, 20.3685, 2.7795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 115, 0) }
```

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

```
.background{ background-color: rgb(166,  
115, 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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