

Converting Colors

XYZ(22.5402, 16.7266, 2.1975)

Have a look what the booklet for
XYZ(22.5402, 16.7266, 2.1975)
contains.

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Color

**XYZ(22.4916, 16.6511,
2.1721)**

Conversions

Conversions Part 1

Format	Color
Hex	B55705
RGB	181, 87, 5
RGB Percent	71%, 34%, 2%
CMY	0.2902, 0.6588, 0.9804
CMYK	0.00, 0.52, 0.97, 0.29
HSL	28°, 95%, 36%
HSV	28°, 97%, 71%
XYZ	22.4916, 16.6511, 2.1721
YIQ	105.7580, 82.3460, -5.5740

Conversions

Conversions Part 2

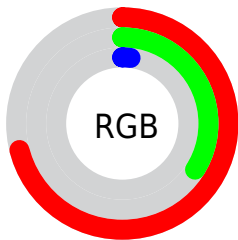
Format	Color
R_{YB}	181, 159, 5
Decimal	11884293
CIE _{Lab}	47.82, 34.19, 55.79
CIE _{LCh}	48, 65.431, 58.498
Yxy	16.6511, 0.5444, 0.4030
Android (android.graphics.Color)	4290074373 (0xFFB55705)
YUV	105.7580, -49.6737, 65.9872
Hunter-Lab	40.8058, 26.9768, 25.4080

Details

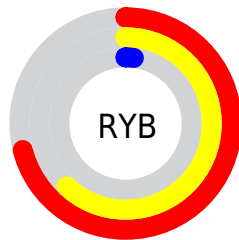
The XYZ color **22.4916, 16.6511, 2.1721** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.8645, 12.2914, 45.4100**, and the grayscale version is **13.7498, 14.4659, 15.7533**.

A 20% lighter version of the original color is **46.9478, 37.5905, 9.4839**, and **8.5783, 5.4512, 0.6001** is the 20% darker color. If you saturate the color by 10%, you get **22.2522, 16.2163, 1.9572**, and if you desaturate by 10%, it is **23.4561, 18.3750, 3.1265**.

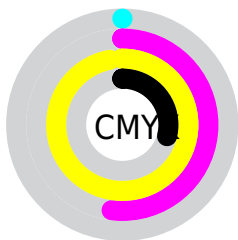
Distribution



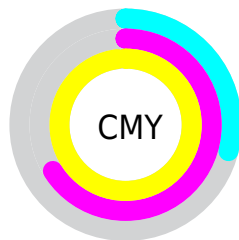
- Red (71%)
- Green (34%)
- Blue (2%)



- Red (71%)
- Yellow (62%)
- Blue (2%)



- Cyan (0%)
- Magenta (52%)
- Yellow (97%)
- Black (29%)



- Cyan (29%)
- Magenta (66%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4916, 16.6511, 2.1721 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 22.4916, 16.6511, 2.1721 by changing the saturation by 10% instead.

■ 22.4916, 16.6511,
2.1721

■ 22.4916, 16.6511,
2.1721

257.6873,
233.1537, 124.9944

■ 14.3372, 9.9860,
0.6582

■ 47.0300, 37.7249,
9.5062

■ 8.4388, 5.3897,
0.0000

■ 64.1447, 52.9025,
16.1947

■ 4.4312, 2.4777,
0.0000

■ 84.9769, 71.6863,
25.4556

■ 1.9488, 0.8654,
0.0000

■ 109.8919, 94.4608,
37.7074


■ 0.6050, 0.0000,
0.0000


■ 139.2551,
121.6104, 53.3686


■ 0.0000, 0.0000,
0.0000


■ 173.4318,


153.5195, 72.8578


 212.7874,
190.5725, 96.5936


 22.4916, 16.6511,
2.1721


 22.4916, 16.6511,
2.1721


 22.2522, 16.2163,
1.9572

 23.4561, 18.3750,
3.1265

 24.6487, 20.3633,
4.7478

 26.0992, 22.6347,
7.1724

 27.8287, 25.2032,
10.4940

 29.8557, 28.0817,
14.7935

■ 32.1968, 31.2819,
20.1424

■ 34.8672, 34.8150,
26.6056

■ 37.8811, 38.6915,
34.2426

■ 41.2516, 42.9211,
43.1087

Harmonies

Analogous

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



27.9711, 16.6511, 6.6625



22.4916, 16.6511, 2.1721



16.1243, 16.6511, 1.2092

Triad

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



22.4916, 16.6511, 2.1721



7.0083, 16.6511, 17.2954



21.8495, 16.6511, 63.9991

Complementary

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



22.4916, 16.6511, 2.1721



12.8645, 12.2914, 45.4100

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.



15.5321, 16.6511, 73.4930



22.4916, 16.6511, 2.1721



7.8313, 16.6511, 38.3551

Square

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



22.4916, 16.6511, 2.1721



8.0180, 16.6511, 5.9370



10.6281, 16.6511, 62.0531



27.5405, 16.6511, 40.8269

Rectangle

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



22.4916, 16.6511, 2.1721



12.5069, 16.6511, 1.5032



10.6281, 16.6511, 62.0531



19.6867, 16.6511, 69.3533

Sweetspot

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



22.4920, 16.6520, 2.1724



61.3188, 60.8778, 44.8680



21.4986, 10.8876, 13.4871



12.8155, 12.5799, 8.6349



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.4920, 16.6520, 2.1724



39.6307, 28.5974, 3.4311



33.8738, 39.4156, 5.9663



8.8118, 9.1362, 8.9516



15.4085, 11.3155, 1.3720



0.5434, 0.4732, 0.0627

Inverse Universe

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



12.8645, 12.2914, 45.4100



22.3082, 20.7162, 81.1175



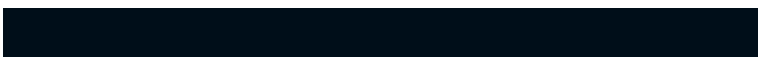
8.5574, 3.6773, 43.9743



8.4052, 8.9566, 10.7921



8.7454, 8.2911, 31.2764



0.3329, 0.3763, 1.0033

Previews

White Background



This preview shows how the XYZ color 22.4916, 16.6511, 2.1721 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 22.4916, 16.6511, 2.1721 looks on a 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 22.4916, 16.6511, 2.1721

Background



This preview shows how black text looks on a background with the XYZ color 22.4916, 16.6511, 2.1721.



This preview shows how white text looks on a background with the XYZ color 22.4916, 16.6511,

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

22.4916, 16.6511, 2.1721

Protanopia

15.1718, 16.7422, 2.9622

Deuteranopia

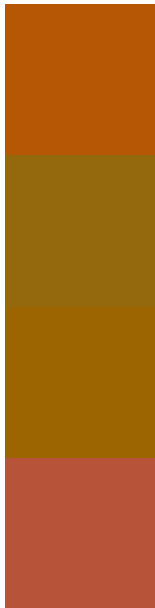
16.8642, 16.6544, 2.3258



Tritanopia

24.1506, 16.6240, 10.7400

Trichromacy



Original Color

22.4916, 16.6511, 2.1721

Protanomaly

17.2357, 16.2256, 2.6042

Deuteranomaly

18.4728, 16.2868, 2.2275

Tritanomaly

23.1232, 16.4270, 5.8229

Monochromacy



Original Color

22.4916, 16.6511, 2.1721

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.2089, 14.3399, 7.5965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4916, 16.6511, 2.1721 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(181, 87, 5)` looks like.

```
.text, #text, p{  
    color:rgb(181, 87, 5)  
}
```

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(181, 87, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 87, 5) }
```

Border

The CSS property to change the border of an element to XYZ 22.4916, 16.6511, 2.1721 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(181, 87, 5) }
```


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

```
.border{ border-color:rgb(181, 87, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 87, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 87, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 87, 5);  
box-shadow:4px 4px 4px 4px rgb(181, 87, 5)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.4916, 16.6511, 2.1721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 87, 5) }
```

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

```
.background{ background-color: rgb(181, 87,  
5) }
```

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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