

Converting Colors

XYZ(21.6479, 18.3192, 3.9325)

Have a look what the booklet for
XYZ(21.6479, 18.3192, 3.9325)
contains.

XYZ(21.7165, 18.3620, 3.9130)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.7165, 18.3620,
3.9130)**

Conversions

Conversions Part 1

Format	Color
Hex	AA6722
RGB	170, 103, 34
RGB Percent	67%, 40%, 13%
CMY	0.3333, 0.5961, 0.8667
CMYK	0.00, 0.39, 0.80, 0.33
HSL	30°, 67%, 40%
HSV	30°, 80%, 67%
XYZ	21.7165, 18.3620, 3.9130
YIQ	115.1670, 62.0810, -7.2550

Conversions

Conversions Part 2

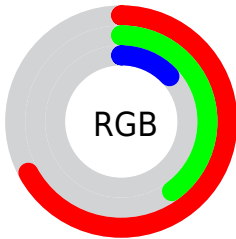
Format	Color
R _Y B	166, 170, 34
Decimal	11167522
CIE Lab	49.93, 21.48, 47.68
CIE LCh	50, 52.291, 65.747
Yxy	18.3620, 0.4937, 0.4174
Android (android.graphics.Color)	4289357602 (0xFFAA6722)
YUV	115.1670, -40.0153, 48.0885
Hunter-Lab	42.8509, 15.4733, 24.5815

Details

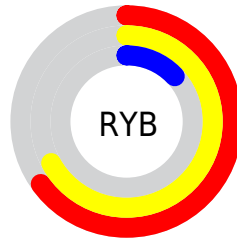
The XYZ color **21.7165, 18.3620, 3.9130** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **12.5687, 12.5490, 39.7896**, and the grayscale version is **16.4514, 17.3081, 18.8486**.

A 20% lighter version of the original color is **45.7890, 40.5743, 13.8058**, and **8.1762, 6.2431, 0.7741** is the 20% darker color. If you saturate the color by 10%, you get **20.7376, 16.7045, 2.6617**, and if you desaturate by 10%, it is **22.9009, 20.2369, 5.8313**.

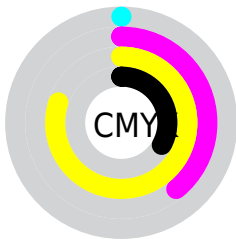
Distribution



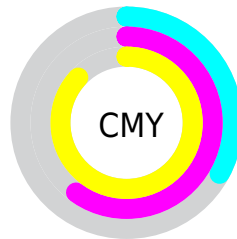
- Red (67%)
- Green (40%)
- Blue (13%)



- Red (65%)
- Yellow (67%)
- Blue (13%)



- Cyan (0%)
- Magenta (39%)
- Yellow (80%)
- Black (33%)





- Cyan (33%)
- Magenta (60%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7165, 18.3620, 3.9130 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 21.7165, 18.3620, 3.9130 by changing the saturation by 10% instead.


 21.7165, 18.3620,
3.9130


 21.7165, 18.3620,
3.9130


253.7225,
242.9036, 147.2534


 13.7642, 11.2102,
1.5777


 45.7593, 40.6532,
13.8086


 8.0374, 6.2084,
0.2749


 62.5806, 56.5614,
22.2060

 4.1709, 2.9722,
0.0000

 83.0888, 76.1572,
33.4613

 1.7993, 1.1172,
0.0000

 107.6494, 99.8249,
47.9928

 0.5172, 0.0000,
0.0000

 136.6277,
127.9490, 66.2193

 0.0000, 0.0000,
0.0000

 170.3891,

160.9139, 88.5592

209.2989,
199.1040, 115.4310

21.7165, 18.3620,
3.9130

21.7165, 18.3620,
3.9130

20.7376, 16.7045,
2.6617

22.9009, 20.2369,
5.8313

19.9257, 15.2425,
1.8920

24.3078, 22.3371,
8.4995

19.9256, 15.2423,
1.8919

25.9531, 24.6737,
11.9894

27.8509, 27.2556,
16.3638

30.0139, 30.0912,
21.6796

■ 32.4539, 33.1885,
27.9887

■ 35.1819, 36.5550,
35.3392

■ 38.2081, 40.1979,
43.7762

■ 41.5423, 44.1241,
53.3418

Harmonies

Analogous

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



26.4972, 18.3620, 7.8182



21.7165, 18.3620, 3.9130



16.5056, 18.3620, 3.1888

Triad

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



21.7165, 18.3620, 3.9130



9.5149, 18.3620, 22.8849



23.7073, 18.3620, 51.7864

Complementary

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



21.7165, 18.3620, 3.9130



12.5687, 12.5490, 39.7896

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.



18.4350, 18.3620, 61.9264



21.7165, 18.3620, 3.9130



10.7431, 18.3620, 40.8311

Square

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



21.7165, 18.3620, 3.9130



10.0601, 18.3620, 10.6663



13.7868, 18.3620, 57.1735



27.7920, 18.3620, 33.6030

Rectangle

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



21.7165, 18.3620, 3.9130



13.5933, 18.3620, 4.0163



13.7868, 18.3620, 57.1735



21.9808, 18.3620, 56.5636

Sweetspot

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



21.7169, 18.3630, 3.9133



56.8573, 57.6649, 45.4762



19.5478, 10.6495, 13.5958



12.3416, 12.4291, 9.2727



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.7169, 18.3630, 3.9133



36.4806, 28.2327, 3.7816



31.2408, 37.4107, 7.0880



7.8339, 8.1479, 7.9491



14.7136, 11.3244, 1.4103



0.4091, 0.3777, 0.0513

Inverse Universe

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



12.5687, 12.5490, 39.7896



19.2694, 17.3103, 71.3275



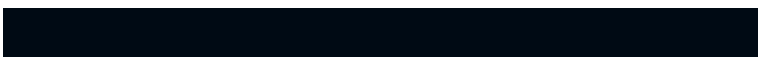
8.4875, 4.3865, 38.4292



7.4255, 7.8879, 9.5495



7.7106, 6.8814, 28.8973



0.2389, 0.2701, 0.7202

Previews

White Background



This preview shows how the XYZ color 21.7165, 18.3620, 3.9130 looks on a white background.

Color Contrast Check

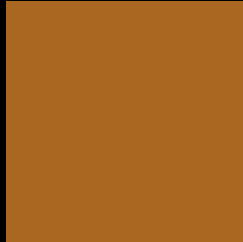
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7165, 18.3620, 3.9130 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 21.7165, 18.3620, 3.9130

Background



This preview shows how black text looks on a background with the XYZ color 21.7165, 18.3620, 3.9130.



This preview shows how white text looks on a background with the XYZ color 21.7165, 18.3620,

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

21.7165, 18.3620, 3.9130

Protanopia

16.8978, 18.6412, 4.5412

Deuteranopia

18.7171, 18.3880, 3.7910



Tritanopia

24.0866, 18.3437, 15.1031

Trichromacy



Original Color

21.7165, 18.3620, 3.9130

Protanomaly

18.3839, 18.3712, 4.3273

Deuteranomaly

19.6206, 18.2043, 3.7760

Tritanomaly

23.0706, 18.3580, 9.5352

Monochromacy



Original Color

21.7165, 18.3620, 3.9130

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.3558, 17.1917, 11.2077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7165, 18.3620, 3.9130 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(170, 103, 34)` looks like.

```
.text, #text, p{  
    color:rgb(170, 103, 34)  
}
```

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(170, 103, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 103, 34) }
```

Border

The CSS property to change the border of an element to XYZ 21.7165, 18.3620, 3.9130 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(170, 103, 34) }
```


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

```
.border{ border-color:rgb(170, 103, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 103, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 103, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 103, 34);  
box-shadow:4px 4px 4px 4px rgb(170, 103,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7165, 18.3620, 3.9130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 103, 34) }
```

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

```
.background{ background-color: rgb(170,  
103, 34) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor