

Converting Colors

XYZ(22.1840, 19.1776, 4.0157)

Have a look what the booklet for
XYZ(22.1840, 19.1776, 4.0157)
contains.

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Color

**XYZ(22.1240, 19.1769,
4.0488)**

Conversions

Conversions Part 1

Format	Color
Hex	AA6B22
RGB	170, 107, 34
RGB Percent	67%, 42%, 13%
CMY	0.3333, 0.5804, 0.8667
CMYK	0.00, 0.37, 0.80, 0.33
HSL	32°, 67%, 40%
HSV	32°, 80%, 67%
XYZ	22.1240, 19.1769, 4.0488
YIQ	117.5150, 60.9810, -9.3470

Conversions

Conversions Part 2

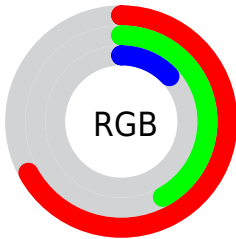
Format	Color
R _Y B	151, 170, 34
Decimal	11168546
CIE Lab	50.89, 19.24, 48.58
CIE LCh	51, 52.249, 68.397
Yxy	19.1769, 0.4879, 0.4229
Android (android.graphics.Color)	4289358626 (0xFFAA6B22)
YUV	117.5150, -41.1729, 46.0293
Hunter-Lab	43.7914, 13.5455, 25.1723

Details

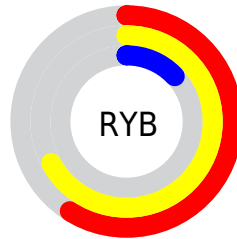
The XYZ color **22.1240, 19.1769, 4.0488** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **12.1898, 11.7912, 39.6635**, and the grayscale version is **17.1799, 18.0746, 19.6832**.

A 20% lighter version of the original color is **46.6315, 42.2594, 14.0866**, and **8.3740, 6.6386, 0.8400** is the 20% darker color. If you saturate the color by 10%, you get **21.1529, 17.5349, 2.8001**, and if you desaturate by 10%, it is **23.2920, 21.0190, 5.9617**.

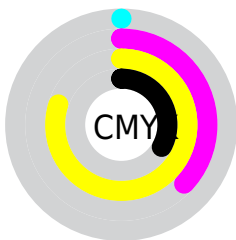
Distribution



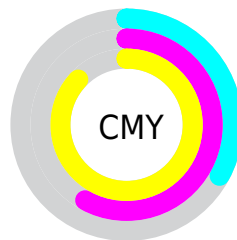
- Red (67%)
- Green (42%)
- Blue (13%)



- Red (59%)
- Yellow (67%)
- Blue (13%)



- Cyan (0%)
- Magenta (37%)
- Yellow (80%)
- Black (33%)





- Cyan (33%)
- Magenta (58%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1240, 19.1769, 4.0488 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 22.1240, 19.1769, 4.0488 by changing the saturation by 10% instead.


 22.1240, 19.1769,
4.0488


 22.1240, 19.1769,
4.0488


255.8134,
247.4236, 148.7662


 14.0652, 11.7982,
1.6522


 46.4282, 42.0328,
14.1222

 8.2480, 6.6064,
0.3276


 63.4042, 58.2788,
22.6359


 4.3072, 3.2172,
0.0000

 84.0834, 78.2493,
34.0259

 1.8773, 1.2461,
0.0000

 108.8310,
102.3287, 48.7104

 0.5636, 0.0989,
0.0000

 138.0125,
130.9015, 67.1082

 0.0000, 0.0000,
0.0000

 171.9931,

164.3519, 89.6378

211.1383,
203.0645, 116.7176

22.1240, 19.1769,
4.0488

22.1240, 19.1769,
4.0488

21.1529, 17.5349,
2.8001

23.2920, 21.0190,
5.9617

20.3405, 16.0720,
2.0302

24.6734, 23.0683,
8.6214

20.3404, 16.0718,
2.0301

26.2837, 25.3348,
12.0996

28.1366, 27.8269,
16.4591

30.2445, 30.5522,
21.7565

■ 32.6187, 33.5180,
28.0437

■ 35.2700, 36.7311,
35.3687

■ 38.2082, 40.1980,
43.7763

■ 41.4429, 43.9251,
53.3088

Harmonies

Analogous

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



27.1479, 19.1769, 7.7490



22.1240, 19.1769, 4.0488



16.8181, 19.1769, 3.5089

Triad

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



22.1240, 19.1769, 4.0488



10.0768, 19.1769, 25.3046



25.1001, 19.1769, 51.9516

Complementary

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



22.1240, 19.1769, 4.0488



12.1898, 11.7912, 39.6635

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.



19.7127, 19.1769, 63.4150



22.1240, 19.1769, 4.0488



11.5120, 19.1769, 43.9305

Square

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



22.1240, 19.1769, 4.0488



10.4794, 19.1769, 12.0782



14.8169, 19.1769, 59.9381



29.0791, 19.1769, 33.1679

Rectangle

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



22.1240, 19.1769, 4.0488



13.9092, 19.1769, 4.5438



14.8169, 19.1769, 59.9381



23.3572, 19.1769, 57.1131

Sweetspot

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



22.1244, 19.1779, 4.0492



57.2115, 58.3732, 45.5943



19.3291, 10.5620, 12.4438



12.4296, 12.6052, 9.3020



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.



22.1244, 19.1779, 4.0492



37.2345, 29.7405, 4.0328



30.2777, 36.9142, 7.0429



7.8521, 8.1842, 7.9551



15.0190, 11.9352, 1.5121



0.4158, 0.3912, 0.0536

Inverse Universe

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



12.1898, 11.7912, 39.6635



18.5885, 15.9485, 71.1005



8.6470, 4.4688, 38.4368



7.4074, 7.8518, 9.5435



7.4354, 6.3309, 28.8056



0.2324, 0.2571, 0.7180

Previews

White Background



This preview shows how the XYZ color 22.1240, 19.1769, 4.0488 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 22.1240, 19.1769, 4.0488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

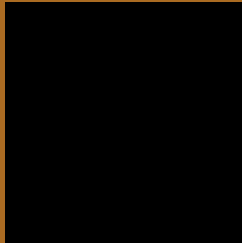
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1240, 19.1769, 4.0488

Background



This preview shows how black text looks on a background with the XYZ color 22.1240, 19.1769, 4.0488.



This preview shows how white text looks on a background with the XYZ color 22.1240, 19.1769,

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

22.1240, 19.1769, 4.0488

Protanopia

17.4627, 19.2932, 4.6373

Deuteranopia

19.5149, 19.1327, 3.9608



Tritanopia

24.6666, 19.1746, 16.3109

Trichromacy



Original Color

22.1240, 19.1769, 4.0488

Protanomaly

18.9080, 19.1521, 4.4504

Deuteranomaly

20.3530, 19.0636, 3.9734

Tritanomaly

23.5318, 19.1639, 10.0482

Monochromacy



Original Color

22.1240, 19.1769, 4.0488

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.0541, 18.0411, 11.5476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1240, 19.1769, 4.0488 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, 107, 34)` looks like.

```
.text, #text, p{  
    color:rgb(170, 107, 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, 107, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 107, 34) }
```

Border

The CSS property to change the border of an element to XYZ 22.1240, 19.1769, 4.0488 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, 107, 34) }
```


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

```
.border{ border-color:rgb(170, 107, 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, 107, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 107, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 107, 34);  
box-shadow:4px 4px 4px 4px rgb(170, 107,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1240, 19.1769, 4.0488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 107, 34) }
```

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

```
.background{ background-color: rgb(170,  
107, 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](#).

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