

Converting Colors

XYZ(22.9494, 19.9422, 6.9120)

Have a look what the booklet for
XYZ(22.9494, 19.9422, 6.9120)
contains.

XYZ(22.9691, 20.0242, 6.9294)	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(22.9691, 20.0242,
6.9294)**

Conversions

Conversions Part 1

Format	Color
Hex	AA6E3C
RGB	170, 110, 60
RGB Percent	67%, 43%, 24%
CMY	0.3333, 0.5686, 0.7647
CMYK	0.00, 0.35, 0.65, 0.33
HSL	27°, 48%, 45%
HSV	27°, 65%, 67%
XYZ	22.9691, 20.0242, 6.9294
YIQ	122.2400, 51.8100, -2.8300

Conversions

Conversions Part 2

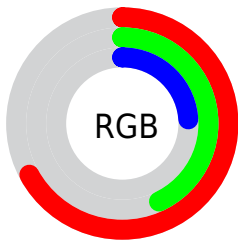
Format	Color
RYB	170, 152, 60
Decimal	11169340
CIELab	51.86, 18.92, 37.16
CIElCh	52, 41.697, 63.018
Yxy	20.0242, 0.4601, 0.4011
Android (android.graphics.Color)	4289359420 (0xFFAA6E3C)
YUV	122.2400, -30.6843, 41.8855
Hunter-Lab	44.7484, 13.3133, 22.1427

Details

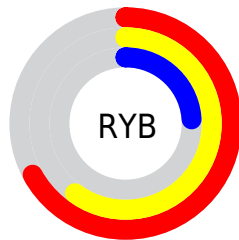
The XYZ color **22.9691, 20.0242, 6.9294** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.8351, 17.2948, 40.5336**, and the grayscale version is **18.6630, 19.6350, 21.3825**.

A 20% lighter version of the original color is **47.9937, 43.6028, 20.3546**, and **8.7347, 7.0517, 1.2815** is the 20% darker color. If you saturate the color by 10%, you get **21.6413, 17.9760, 4.6147**, and if you desaturate by 10%, it is **24.5469, 22.3415, 10.0400**.

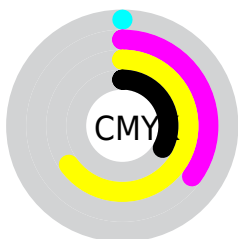
Distribution



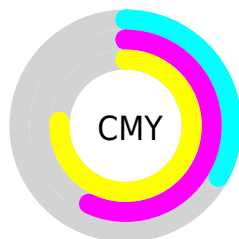
- Red (67%)
- Green (43%)
- Blue (24%)



- Red (67%)
- Yellow (60%)
- Blue (24%)



- Cyan (0%)
- Magenta (35%)
- Yellow (65%)
- Black (33%)





- Cyan (33%)
- Magenta (57%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.9691, 20.0242, 6.9294 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 22.9691, 20.0242, 6.9294 by changing the saturation by 10% instead.


 22.9691, 20.0242,
6.9294


 22.9691, 20.0242,
6.9294


260.1045,
252.0461, 176.6844


 14.6913, 12.4126,
3.3402


 47.8096, 43.4578,
20.3415


 8.6879, 7.0254,
1.2709


 65.1030, 60.0485,
31.0015

 4.5936, 3.4780,
0.0377

 86.1323, 80.4012,
44.8554

 2.0432, 1.3861,
0.0000

 111.2628,
104.9001, 62.3220

 0.6580, 0.2064,
0.0000

 140.8600,
133.9296, 83.8196

 0.0000, 0.0000,
0.0000

 175.2890,

167.8742, 109.7668

214.9155,
207.1182, 140.5823

■ 22.9691, 20.0242,
6.9294

■ 22.9691, 20.0242,
6.9294

■ 21.6413, 17.9760,
4.6147

■ 24.5469, 22.3415,
10.0400

■ 20.5445, 16.1818,
3.0180

■ 26.3889, 24.9361,
14.0123

■ 19.6583, 14.6289,
2.0460

■ 28.5096, 27.8194,
18.9063

■ 19.2509, 13.8930,
1.6670

■ 30.9220, 31.0009,
24.7765

■ 33.6382, 34.4900,
31.6728

■ 36.6694, 38.2953,
39.6419

■ 40.0265, 42.4252,
48.7276

■ 43.7194, 46.8877,
58.9710

■ 47.7580, 51.6906,
70.4115

Harmonies

Analogous

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



26.7050, 20.0242, 11.4086



22.9691, 20.0242, 6.9294



18.6072, 20.0242, 5.8270

Triad

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



22.9691, 20.0242, 6.9294



12.0069, 20.0242, 23.0531



23.8206, 20.0242, 47.7694

Complementary

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



22.9691, 20.0242, 6.9294



15.8351, 17.2948, 40.5336

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.



19.4641, 20.0242, 54.3455



22.9691, 20.0242, 6.9294



12.9912, 20.0242, 37.1298

Square

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



22.9691, 20.0242, 6.9294



12.6618, 20.0242, 12.8450



15.5734, 20.0242, 49.8693



27.2456, 20.0242, 34.1807

Rectangle

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



22.9691, 20.0242, 6.9294



16.0241, 20.0242, 6.6168



15.5734, 20.0242, 49.8693



22.3955, 20.0242, 51.0618

Sweetspot

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



22.9696, 20.0252, 6.9298



58.6770, 59.5714, 51.4250



21.6140, 13.1461, 19.3272



12.7826, 12.8949, 10.7028



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.



22.9696, 20.0252, 6.9298



38.2788, 31.0266, 6.8556



30.7581, 35.6023, 9.5260



7.8015, 8.0830, 7.9383



14.2157, 10.3287, 1.2444



0.3974, 0.3543, 0.0474

Inverse Universe

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



15.8351, 17.2948, 40.5336



24.2726, 25.6151, 72.6668



11.0384, 7.7014, 38.9346



7.4581, 7.9531, 9.5604



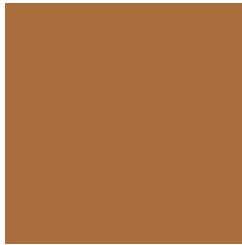
8.2551, 7.9704, 29.0788



0.2510, 0.2942, 0.7242

Previews

White Background



This preview shows how the XYZ color 22.9691, 20.0242, 6.9294 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 22.9691, 20.0242, 6.9294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

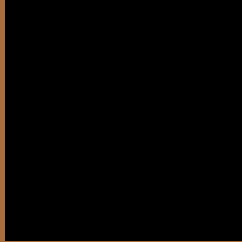
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.9691, 20.0242, 6.9294

Background



This preview shows how black text looks on a background with the XYZ color 22.9691, 20.0242, 6.9294.



This preview shows how white text looks on a background with the XYZ color 22.9691, 20.0242,

6.9294.

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

22.9691, 20.0242, 6.9294

Protanopia

18.4783, 20.1153, 7.9098

Deuteranopia

20.3790, 20.0347, 6.7960



Tritanopia

25.1085, 19.9547, 17.8575

Trichromacy



Original Color

22.9691, 20.0242, 6.9294

Protanomaly

19.8885, 19.9421, 7.5036

Deuteranomaly

21.2182, 19.9482, 6.8697

Tritanomaly

24.1431, 19.8690, 12.9186

Monochromacy



Original Color

22.9691, 20.0242, 6.9294

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.3780, 19.3467, 14.5173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9691, 20.0242, 6.9294 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, 110, 60)` looks like.

```
.text, #text, p{  
    color:rgb(170, 110, 60)  
}
```

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, 110, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 110, 60) }
```

Border

The CSS property to change the border of an element to XYZ 22.9691, 20.0242, 6.9294 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, 110, 60) }
```


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

```
.border{ border-color:rgb(170, 110, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 110, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 110, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 110, 60);  
box-shadow:4px 4px 4px 4px rgb(170, 110,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9691, 20.0242, 6.9294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 110, 60) }
```

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

```
.background{ background-color: rgb(170,  
110, 60) }
```

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