

Converting Colors

XYZ(22.8870, 19.7360, 6.5293)

Have a look what the booklet for
XYZ(22.8870, 19.7360, 6.5293)
contains.

XYZ(22.8957, 19.6785, 6.4625)	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(22.8957, 19.6785,
6.4625)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6C39
RGB	171, 108, 57
RGB Percent	67%, 42%, 22%
CMY	0.3294, 0.5765, 0.7765
CMYK	0.00, 0.37, 0.67, 0.33
HSL	27°, 50%, 45%
HSV	27°, 67%, 67%
XYZ	22.8957, 19.6785, 6.4625
YIQ	121.0230, 53.9190, -2.5050

Conversions

Conversions Part 2

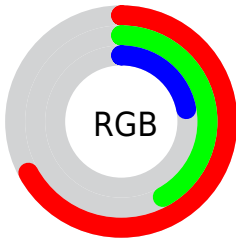
Format	Color
R_{YB}	171, 149, 57
Decimal	11234361
CIE Lab	51.47, 20.28, 38.32
CIE LCh	51, 43.352, 62.109
Yxy	19.6785, 0.4669, 0.4013
Android (android.graphics.Color)	4289424441 (0xFFAB6C39)
YUV	121.0230, -31.5633, 43.8298
Hunter-Lab	44.3605, 14.4982, 22.4149

Details

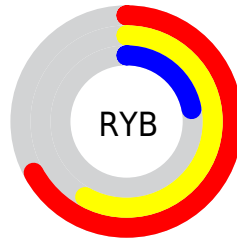
The XYZ color **22.8957, 19.6785, 6.4625** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.7541, 17.2422, 41.0256**, and the grayscale version is **18.2685, 19.2199, 20.9305**.

A 20% lighter version of the original color is **47.8055, 43.0052, 19.4169**, and **8.6046, 6.8288, 1.1230** is the 20% darker color. If you saturate the color by 10%, you get **21.5957, 17.6502, 4.2673**, and if you desaturate by 10%, it is **24.4483, 21.9824, 9.4510**.

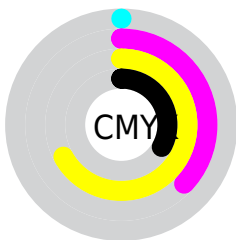
Distribution



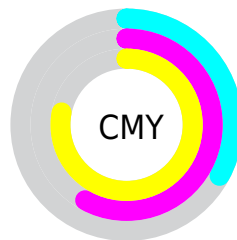
- Red (67%)
- Green (42%)
- Blue (22%)



- Red (67%)
- Yellow (58%)
- Blue (22%)



- Cyan (0%)
- Magenta (37%)
- Yellow (67%)
- Black (33%)





- Cyan (33%)
- Magenta (58%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.8957, 19.6785, 6.4625 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 22.8957, 19.6785, 6.4625 by changing the saturation by 10% instead.


 22.8957, 19.6785,
6.4625


 22.8957, 19.6785,
6.4625


259.7342,
250.1693, 172.5775


 14.6368, 12.1616,
3.0550


 47.6899, 42.8775,
19.3776


 8.6495, 6.8538,
1.1228


 64.9560, 59.3284,
29.7222


 4.5686, 3.3708,
0.0000

 85.9551, 79.5260,
43.2163

 2.0285, 1.3283,
0.0000

 111.0526,
103.8548, 60.2784

 0.6499, 0.1629,
0.0000

 140.6139,
132.6991, 81.3270

 0.0000, 0.0000,
0.0000

 175.0044,

166.4433, 106.7807

214.5894,
205.4720, 137.0580

■ 22.8957, 19.6785,
6.4625

■ 22.8957, 19.6785,
6.4625

■ 21.5957, 17.6502,
4.2673

■ 24.4483, 21.9824,
9.4510

■ 20.5284, 15.8814,
2.7837

■ 26.2685, 24.5706,
13.3013

■ 19.6694, 14.3576,
1.8983

■ 28.3713, 27.4550,
18.0756

■ 19.4140, 13.8968,
1.6591

■ 30.7703, 30.6457,
23.8302

■ 33.4780, 34.1525,
30.6166

■ 36.5061, 37.9845,
38.4828

■ 39.8657, 42.1505,
47.4738

■ 43.5672, 46.6589,
57.6318

■ 47.6208, 51.5177,
68.9971

Harmonies

Analogous

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



26.7208, 19.6785, 11.0496



22.8957, 19.6785, 6.4625



18.3977, 19.6785, 5.2965

Triad

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



22.8957, 19.6785, 6.4625



11.5286, 19.6785, 22.3202



23.5112, 19.6785, 48.7955

Complementary

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



22.8957, 19.6785, 6.4625



15.7541, 17.2422, 41.0256

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.



19.0133, 19.6785, 55.3860



22.8957, 19.6785, 6.4625



12.4759, 19.6785, 36.8476

Square

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



22.8957, 19.6785, 6.4625



12.2424, 19.6785, 12.0608



15.0576, 19.6785, 50.3373



27.1131, 19.6785, 34.6992

Rectangle

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



22.8957, 19.6785, 6.4625



15.7291, 19.6785, 6.0140



15.0576, 19.6785, 50.3373



22.0317, 19.6785, 52.1637

Sweetspot

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



22.8962, 19.6795, 6.4629



58.1036, 58.7826, 50.1300



21.7458, 12.9796, 19.6420



12.6624, 12.7267, 10.4402



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.



22.8962, 19.6795, 6.4629



37.7195, 30.0497, 6.2316



30.7013, 35.2899, 9.0646



8.2892, 8.5832, 8.4332



14.6864, 10.5784, 1.2678



0.4637, 0.4045, 0.0536

Inverse Universe

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



15.7541, 17.2422, 41.0256



23.9586, 25.2880, 72.6202



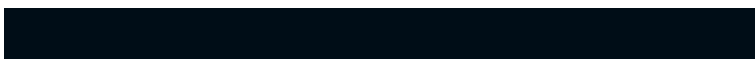
10.9056, 7.5452, 39.4095



7.9320, 8.4633, 10.1682



8.6451, 8.4241, 30.2149



0.2940, 0.3414, 0.8584

Previews

White Background



This preview shows how the XYZ color 22.8957, 19.6785, 6.4625 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 22.8957, 19.6785, 6.4625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

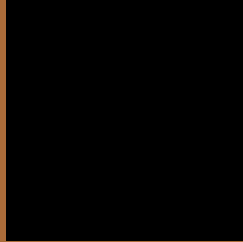
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.8957, 19.6785, 6.4625

Background



This preview shows how black text looks on a background with the XYZ color 22.8957, 19.6785, 6.4625.



This preview shows how white text looks on a background with the XYZ color 22.8957, 19.6785,

6.4625.

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

22.8957, 19.6785, 6.4625

Protanopia

18.1058, 19.7480, 7.4149

Deuteranopia

19.9998, 19.6738, 6.3578



Tritanopia

25.0214, 19.6272, 17.2215

Trichromacy



Original Color

22.8957, 19.6785, 6.4625

Protanomaly

19.6885, 19.6727, 7.0345

Deuteranomaly

21.0292, 19.6911, 6.4338

Tritanomaly

24.0722, 19.5402, 12.4004

Monochromacy



Original Color

22.8957, 19.6785, 6.4625

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.0975, 18.8616, 14.1894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8957, 19.6785, 6.4625 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(171, 108, 57)` looks like.

```
.text, #text, p{  
    color:rgb(171, 108, 57)  
}
```

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(171, 108, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 108, 57) }
```

Border

The CSS property to change the border of an element to XYZ 22.8957, 19.6785, 6.4625 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(171, 108, 57) }
```


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

```
.border{ border-color:rgb(171, 108, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 108, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 108, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 108, 57);  
box-shadow:4px 4px 4px 4px rgb(171, 108,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8957, 19.6785, 6.4625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 108, 57) }
```

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

```
.background{ background-color: rgb(171,  
108, 57) }
```

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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