

Converting Colors

XYZ(22.2560, 20.3230, 4.5007)

Have a look what the booklet for
XYZ(22.2560, 20.3230, 4.5007)
contains.

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Color

**XYZ(22.2876, 20.3837,
4.5100)**

Conversions

Conversions Part 1

Format	Color
Hex	A77225
RGB	167, 114, 37
RGB Percent	65%, 45%, 15%
CMY	0.3451, 0.5529, 0.8549
CMYK	0.00, 0.32, 0.78, 0.35
HSL	36°, 64%, 40%
HSV	36°, 78%, 65%
XYZ	22.2876, 20.3837, 4.5100
YIQ	121.0690, 56.3050, -12.7110

Conversions

Conversions Part 2

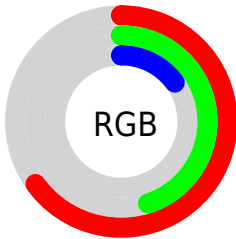
Format	Color
R_{YB}	126, 167, 37
Decimal	10973733
CIE Lab	52.27, 14.07, 48.50
CIE LCh	52, 50.503, 73.827
Yxy	20.3837, 0.4724, 0.4320
Android (android.graphics.Color)	4289163813 (0xFFA77225)
YUV	121.0690, -41.4460, 40.2815
Hunter-Lab	45.1483, 9.1075, 25.6812

Details

The XYZ color **22.2876, 20.3837, 4.5100** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.3939, 10.4952, 37.9842**, and the grayscale version is **18.3139, 19.2676, 20.9824**.

A 20% lighter version of the original color is **46.7617, 44.1458, 15.2889**, and **8.3786, 7.2114, 0.9503** is the 20% darker color. If you saturate the color by 10%, you get **21.3435, 18.8235, 3.1844**, and if you desaturate by 10%, it is **23.4098, 22.1083, 6.4870**.

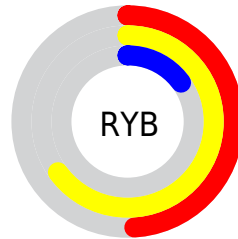
Distribution



Red (65%)

Green (45%)

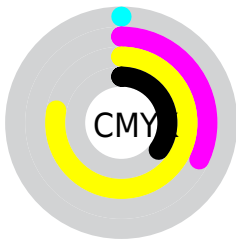
Blue (15%)



Red (49%)

Yellow (65%)

Blue (15%)

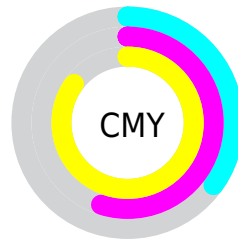


Cyan (0%)

Magenta (32%)

Yellow (78%)

Black (35%)



Cyan (35%)


Magenta (55%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.2876, 20.3837, 4.5100 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 22.2876, 20.3837, 4.5100 by changing the saturation by 10% instead.


 22.2876, 20.3837,
4.5100

 22.2876, 20.3837,
4.5100


256.6488,
253.9848, 153.7357


 14.1862, 12.6743,
1.9091


 46.6962, 44.0596,
15.1699


 8.3328, 7.2046,
0.4985


 63.7341, 60.7948,
24.0659

 4.3622, 3.5904,
0.0000

 84.4815, 81.3074,
35.8974

 1.9090, 1.4472,
0.0000

 109.3037,
105.9817, 51.0829

 0.5821, 0.2511,
0.0000

 138.5663,
135.2022, 70.0410

 0.0000, 0.0000,
0.0000

 172.6344,

169.3533, 93.1901

211.8734,
208.8194, 120.9488

■ 22.2876, 20.3837,
4.5100

■ 22.2876, 20.3837,
4.5100

■ 21.3435, 18.8235,
3.1844

■ 23.4098, 22.1083,
6.4870

■ 20.5506, 17.4125,
2.3813

■ 24.7242, 24.0023,
9.1909

■ 20.3906, 17.1241,
2.2306

■ 26.2452, 26.0741,
12.6882

■ 27.9847, 28.3304,
17.0374

■ 29.9538, 30.7774,
22.2913

■ 32.1629, 33.4209,
28.4986

■ 34.6213, 36.2663,
35.7044

■ 37.3382, 39.3189,
43.9508

■ 40.3220, 42.5837,
53.2775

Harmonies

Analogous

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



27.4986, 20.3837, 7.7069



22.2876, 20.3837, 4.5100



17.0865, 20.3837, 4.4062

Triad

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



22.2876, 20.3837, 4.5100



11.2123, 20.3837, 29.7461



27.1354, 20.3837, 49.8432

Complementary

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



22.2876, 20.3837, 4.5100



11.3939, 10.4952, 37.9842

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.



21.8572, 20.3837, 63.0984



22.2876, 20.3837, 4.5100



13.0318, 20.3837, 48.4381

Square

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



22.2876, 20.3837, 4.5100



11.2859, 20.3837, 15.1500



16.7263, 20.3837, 62.4928



30.6207, 20.3837, 31.1409

Rectangle

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



22.2876, 20.3837, 4.5100



14.3346, 20.3837, 5.9158



16.7263, 20.3837, 62.4928



25.4747, 20.3837, 55.3916

Sweetspot

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



22.2881, 20.3847, 4.5104



55.3430, 57.1725, 44.6281



18.4935, 10.2969, 10.9483



12.0834, 12.4305, 9.1497



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.2881, 20.3847, 4.5104



37.2332, 31.9580, 4.6645



27.8951, 34.8554, 7.0080



7.8865, 8.2531, 7.9666



15.6522, 13.2017, 1.7232



0.4292, 0.4179, 0.0580

Inverse Universe

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



11.3939, 10.4952, 37.9842



16.9986, 13.7135, 67.2263



8.8478, 4.7377, 37.0071



7.3735, 7.7840, 9.5322



6.9686, 5.3974, 28.6500



0.2201, 0.2325, 0.7139

Previews

White Background



This preview shows how the XYZ color 22.2876, 20.3837, 4.5100 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 22.2876, 20.3837, 4.5100 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 22.2876, 20.3837, 4.5100

Background



This preview shows how black text looks on a background with the XYZ color 22.2876, 20.3837, 4.5100.



This preview shows how white text looks on a background with the XYZ color 22.2876, 20.3837,

4.5100.

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

22.2876, 20.3837, 4.5100

Protanopia

18.5318, 20.3959, 4.9675

Deuteranopia

20.8048, 20.4831, 4.4472



Tritanopia

25.3655, 20.5239, 18.8442

Trichromacy



Original Color

22.2876, 20.3837, 4.5100

Protanomaly

19.7813, 20.3053, 4.7962

Deuteranomaly

21.3777, 20.4270, 4.4851

Tritanomaly

23.8738, 20.3860, 11.6934

Monochromacy



Original Color

22.2876, 20.3837, 4.5100

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.8051, 19.0983, 12.3681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2876, 20.3837, 4.5100 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(167, 114, 37)` looks like.

```
.text, #text, p{  
    color:rgb(167, 114, 37)  
}
```

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(167, 114, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 114, 37) }
```

Border

The CSS property to change the border of an element to XYZ 22.2876, 20.3837, 4.5100 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(167, 114, 37) }
```


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

```
.border{ border-color:rgb(167, 114, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 114, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 114, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 114, 37);  
box-shadow:4px 4px 4px 4px rgb(167, 114,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2876, 20.3837, 4.5100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 114, 37) }
```

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

```
.background{ background-color: rgb(167,  
114, 37) }
```

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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