

Converting Colors

XYZ(22.8311, 21.4278, 4.6707)

Have a look what the booklet for
XYZ(22.8311, 21.4278, 4.6707)
contains.

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Color

**XYZ(22.7487, 21.3059,
4.6637)**

Conversions

Conversions Part 1

Format	Color
Hex	A77625
RGB	167, 118, 37
RGB Percent	65%, 46%, 15%
CMY	0.3451, 0.5372, 0.8549
CMYK	0.00, 0.29, 0.78, 0.35
HSL	37°, 64%, 40%
HSV	37°, 78%, 65%
XYZ	22.7487, 21.3059, 4.6637
YIQ	123.4170, 55.2050, -14.8030

Conversions

Conversions Part 2

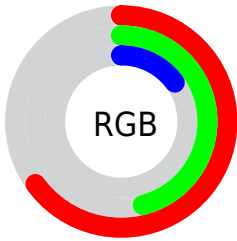
Format	Color
RYB	116, 167, 37
Decimal	10974757
CIELab	53.28, 11.81, 49.48
CIELCh	53, 50.865, 76.578
Yxy	21.3059, 0.4669, 0.4373
Android (android.graphics.Color)	4289164837 (0xFFA77625)
YUV	123.4170, -42.6036, 38.2223
Hunter-Lab	46.1583, 7.1950, 26.3203

Details

The XYZ color **22.7487, 21.3059, 4.6637** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.0656, 9.8385, 37.8748**, and the grayscale version is **19.0890, 20.0831, 21.8705**.

A 20% lighter version of the original color is **47.5002, 45.6228, 15.5351**, and **8.6206, 7.6953, 1.0310** is the 20% darker color. If you saturate the color by 10%, you get **21.8275, 19.7916, 3.3457**, and if you desaturate by 10%, it is **23.8403, 22.9693, 6.6305**.

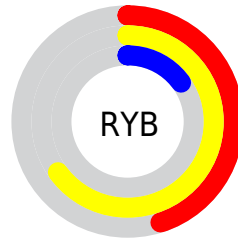
Distribution



Red (65%)

Green (46%)

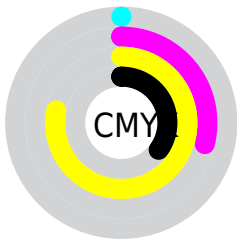
Blue (15%)



Red (45%)

Yellow (65%)

Blue (15%)

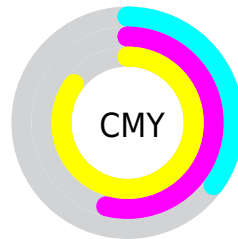


Cyan (0%)

Magenta (29%)

Yellow (78%)

Black (35%)



Cyan (35%)


Magenta (54%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7487, 21.3059, 4.6637 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 22.7487, 21.3059, 4.6637 by changing the saturation by 10% instead.


 22.7487, 21.3059,
4.6637


 22.7487, 21.3059,
4.6637


258.9911,
258.8997, 155.3391


 14.5277, 13.3478,
1.9961


 47.4501, 45.5961,
15.5136


 8.5728, 7.6685,
0.5529


 64.6612, 62.6969,
24.5330


 4.5184, 3.8836,
0.0000

 85.5997, 83.6142,
36.5067

 1.9994, 1.6086,
0.0000

 110.6310,
108.7322, 51.8533

 0.6336, 0.3634,
0.0000

 140.1204,
138.4353, 70.9913

 0.0000, 0.0000,
0.0000

 174.4334,

173.1081, 94.3392

213.9352,
213.1347, 122.3157

■ 22.7487, 21.3059,
4.6637

■ 22.7487, 21.3059,
4.6637

■ 21.8275, 19.7916,
3.3457

■ 23.8403, 22.9693,
6.6305

■ 21.0501, 18.4115,
2.5478

■ 25.1162, 24.7861,
9.3216

■ 20.8925, 18.1279,
2.3979

■ 26.5903, 26.7644,
12.8033

■ 28.2745, 28.9102,
17.1341

■ 30.1797, 31.2292,
22.3667

■ 32.3159, 33.7269,
28.5497

■ 34.6923, 36.4082,
35.7281

■ 37.3177, 39.2779,
43.9440

■ 40.2004, 42.3406,
53.2371

Harmonies

Analogous

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



28.2285, 21.3059, 7.6448



22.7487, 21.3059, 4.6637



17.4393, 21.3059, 4.8102

Triad

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



22.7487, 21.3059, 4.6637



11.8640, 21.3059, 32.7231



28.7345, 21.3059, 50.1124

Complementary

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



22.7487, 21.3059, 4.6637



11.0656, 9.8385, 37.8748

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.



23.3489, 21.3059, 64.7706



22.7487, 21.3059, 4.6637



13.9382, 21.3059, 52.0663

Square

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



22.7487, 21.3059, 4.6637



11.7610, 21.3059, 16.9772



17.9425, 21.3059, 65.6120



32.0754, 21.3059, 30.7796

Rectangle

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



22.7487, 21.3059, 4.6637



14.6889, 21.3059, 6.6105



17.9425, 21.3059, 65.6120



27.0641, 21.3059, 56.0622

Sweetspot

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



22.7492, 21.3070, 4.6641



55.6918, 57.8700, 44.7443



18.3114, 10.2241, 9.9898



12.1714, 12.6064, 9.1790



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.



22.7492, 21.3070, 4.6641



38.1205, 33.7325, 4.9603



27.0703, 34.4301, 6.9694



7.9057, 8.2915, 7.9730



16.0355, 13.9682, 1.8510



0.4370, 0.4335, 0.0606

Inverse Universe

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



11.0656, 9.8385, 37.8748



16.4452, 12.6068, 67.0419



9.0615, 4.8478, 37.0171



7.3548, 7.7466, 9.5259



6.7391, 4.9384, 28.5735



0.2133, 0.2188, 0.7116

Previews

White Background



This preview shows how the XYZ color 22.7487, 21.3059, 4.6637 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 22.7487, 21.3059, 4.6637 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 22.7487, 21.3059, 4.6637

Background



This preview shows how black text looks on a background with the XYZ color 22.7487, 21.3059, 4.6637.



This preview shows how white text looks on a background with the XYZ color 22.7487, 21.3059,

4.6637.

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

22.7487, 21.3059, 4.6637

Protanopia

19.4299, 21.4312, 5.1201

Deuteranopia

21.6530, 21.2757, 4.6344



Tritanopia

25.9190, 21.2544, 20.1892

Trichromacy



Original Color

22.7487, 21.3059, 4.6637

Protanomaly

20.5228, 21.2372, 4.9370

Deuteranomaly

22.1392, 21.3468, 4.6226

Tritanomaly

24.2859, 21.0776, 12.2396

Monochromacy



Original Color

22.7487, 21.3059, 4.6637

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.4166, 19.9364, 12.9500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7487, 21.3059, 4.6637 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, 118, 37)` looks like.

```
.text, #text, p{  
    color:rgb(167, 118, 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, 118, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 118, 37) }
```

Border

The CSS property to change the border of an element to XYZ 22.7487, 21.3059, 4.6637 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, 118, 37) }
```


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

```
.border{ border-color:rgb(167, 118, 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, 118, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 118, 37); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 118, 37); box-shadow:4px 4px 4px 4px rgb(167, 118, 37) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7487, 21.3059, 4.6637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 118, 37) }
```

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

```
.background{ background-color: rgb(167,  
118, 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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