

Converting Colors

XYZ(37.5737, 44.1838, 21.2561)

Have a look what the booklet for
XYZ(37.5737, 44.1838, 21.2561)
contains.

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Color

**XYZ(37.6525, 44.2229,
21.3032)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B76E
RGB	176, 183, 110
RGB Percent	69%, 72%, 43%
CMY	0.3098, 0.2823, 0.5686
CMYK	0.04, 0.00, 0.40, 0.28
HSL	66°, 34%, 57%
HSV	66°, 40%, 72%
XYZ	37.6525, 44.2229, 21.3032
YIQ	172.5850, 19.2610, -24.1870

Conversions

Conversions Part 2

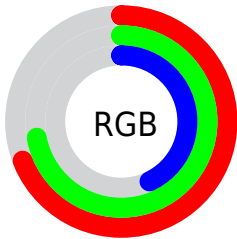
Format	Color
RYB	110, 183, 117
Decimal	11581294
CIELab	72.38, -13.72, 36.27
CIELCh	72, 38.776, 110.722
Yxy	44.2229, 0.3649, 0.4286
Android (android.graphics.Color)	4289771374 (0xFFB0B76E)
YUV	172.5850, -30.8544, 2.9950
Hunter-Lab	66.5003, -15.3087, 27.5568

Details

The XYZ color **37.6525, 44.2229, 21.3032** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **21.4609, 18.3538, 47.2139**, and the grayscale version is **39.6553, 41.7205, 45.4336**.

A 20% lighter version of the original color is **71.0816, 81.7010, 46.6738**, and **16.8243, 20.4291, 7.3314** is the 20% darker color. If you saturate the color by 10%, you get **36.3632, 43.6632, 16.5682**, and if you desaturate by 10%, it is **39.1549, 44.8716, 27.1240**.

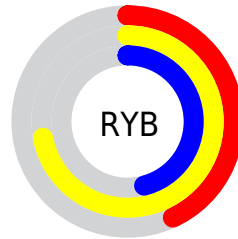
Distribution



Red (69%)

Green (72%)

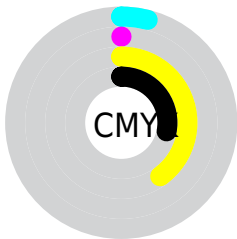
Blue (43%)



Red (43%)

Yellow (72%)

Blue (46%)

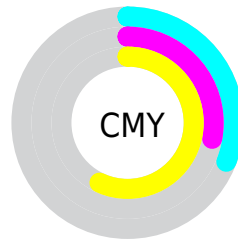


Cyan (4%)

Magenta (0%)

Yellow (40%)

Black (28%)



Cyan (31%)


Magenta (28%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6525, 44.2229, 21.3032 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 37.6525, 44.2229, 21.3032 by changing the saturation by 10% instead.


 37.6525, 44.2229,
21.3032


 37.6525, 44.2229,
21.3032


327.4336,
363.6171, 271.7193

 25.8891, 30.8458,
13.1524


 70.8825, 81.5530,
46.4789


 16.8729, 20.4814,
7.4016


 93.0799, 106.2749,
64.3409

 10.2387, 12.7455,
3.6323

 119.4859,
135.5470, 86.2771

 5.6210, 7.2535,
1.4259

 150.4659,
169.7540, 112.7060

 2.6545, 3.6212,
0.1618

186.3854,
209.2800, 144.0461

 0.9738, 1.4640,
0.0000

227.6096,

 0.0000, 0.2632,

254.5097, 180.7160

0.0000

274.5039,
305.8272, 223.1342

■ 0.0000, 0.0000,
0.0000

■ 37.6525, 44.2229,
21.3032

■ 37.6525, 44.2229,
21.3032

■ 36.3632, 43.6632,
16.5682

■ 39.1549, 44.8716,
27.1240

■ 35.2711, 43.1813,
12.8491

■ 40.8788, 45.6079,
34.0894

■ 34.3628, 42.7736,
10.0721


■ 42.8362, 46.4382,
42.2570


■ 33.6224, 42.4337,
8.1523


■ 45.0371, 47.3665,
51.6801


■ 33.0308, 42.1538,
6.9895


■ 47.4910, 48.3967,
62.4084


 32.5495, 41.9186,
6.3813

 50.2070, 49.5322,
74.4892

 32.5444, 41.9161,
6.3754

 53.1935, 50.7766,
87.9674

 56.2315, 52.0422,
101.6892

 56.6730, 52.2698,
101.7098

Harmonies

Analogous

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



44.1362, 44.2229, 20.2206



37.6525, 44.2229, 21.3032



32.8590, 44.2229, 28.4268

Triad

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



37.6525, 44.2229, 21.3032



34.4189, 44.2229, 82.5801



56.0155, 44.2229, 54.3245

Complementary

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



37.6525, 44.2229, 21.3032



21.4609, 18.3538, 47.2139

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.



52.7718, 44.2229, 75.3744



37.6525, 44.2229, 21.3032



39.9969, 44.2229, 94.3050

Square

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



37.6525, 44.2229, 21.3032



31.1339, 44.2229, 62.3645



46.7397, 44.2229, 91.3663



55.2171, 44.2229, 36.2803

Rectangle

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



37.6525, 44.2229, 21.3032



31.0435, 44.2229, 37.0057



46.7397, 44.2229, 91.3663



55.3499, 44.2229, 61.3361

Sweetspot

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



37.6536, 44.2249, 21.3041



75.8677, 82.8070, 72.1066



28.5994, 23.7042, 17.8204



16.6541, 18.2460, 15.4947



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



37.6536, 44.2249, 21.3041



65.3583, 78.2989, 30.5119



30.6352, 40.6068, 20.9757



9.6630, 10.4584, 9.6163



22.7340, 29.2561, 4.4488



0.8262, 1.0441, 0.1580

Inverse Universe

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



21.4609, 18.3538, 47.2139



32.3003, 25.4562, 83.4468



27.1829, 21.3036, 47.4816



8.5989, 8.7596, 11.3170



6.1585, 2.4860, 31.4083



0.2439, 0.1014, 1.1085

Previews

White Background



This preview shows how the XYZ color 37.6525, 44.2229, 21.3032 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 37.6525, 44.2229, 21.3032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

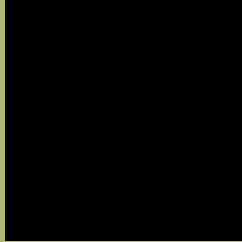
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6525, 44.2229, 21.3032

Background



This preview shows how black text looks on a background with the XYZ color 37.6525, 44.2229, 21.3032.



This preview shows how white text looks on a background with the XYZ color 37.6525, 44.2229,

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

37.6525, 44.2229, 21.3032

Protanopia

40.6770, 43.9963, 20.5356

Deuteranopia

44.9002, 43.8643, 21.7230



Tritanopia

44.1133, 44.1742, 53.2152

Trichromacy



Original Color

37.6525, 44.2229, 21.3032

Protanomaly

39.3739, 43.9091, 20.8681

Deuteranomaly

41.8801, 43.7213, 21.5610

Tritanomaly

41.2716, 43.8926, 39.0978

Monochromacy



Original Color

37.6525, 44.2229, 21.3032

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.6827, 42.6450, 35.0467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6525, 44.2229, 21.3032 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(176, 183, 110)` looks like.

```
.text, #text, p{  
    color:rgb(176, 183, 110)  
}
```

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(176, 183, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 183, 110) }
```

Border

The CSS property to change the border of an element to XYZ 37.6525, 44.2229, 21.3032 is called "border". The border property can be set on classes, ids or directly on the HTML element.

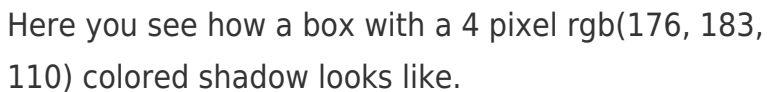
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 183, 110) }
```


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

```
.border{ border-color:rgb(176, 183, 110) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 183, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 183, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 183, 110);  
box-shadow:4px 4px 4px 4px rgb(176, 183,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6525, 44.2229, 21.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 183, 110) }
```

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

```
.background{ background-color: rgb(176,  
183, 110) }
```

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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