

Converting Colors

XYZ(41.6776, 49.5232, 22.7330)

Have a look what the booklet for
XYZ(41.6776, 49.5232, 22.7330)
contains.

XYZ(41.5230, 49.3771, 22.6715)	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(41.5230, 49.3771,
22.6715)**

Conversions

Conversions Part 1

Format	Color
Hex	B7C170
RGB	183, 193, 112
RGB Percent	72%, 76%, 44%
CMY	0.2824, 0.2431, 0.5608
CMYK	0.05, 0.00, 0.42, 0.24
HSL	67°, 40%, 60%
HSV	67°, 42%, 76%
XYZ	41.5230, 49.3771, 22.6715
YIQ	180.7760, 20.0410, -27.3110

Conversions

Conversions Part 2

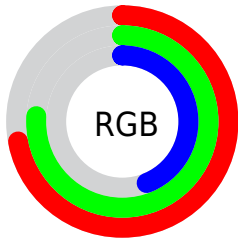
Format	Color
RYB	112, 193, 122
Decimal	12042608
CIELab	75.69, -15.80, 39.54
CIELCh	76, 42.579, 111.789
Yxy	49.3771, 0.3656, 0.4348
Android (android.graphics.Color)	4290232688 (0xFFB7C170)
YUV	180.7760, -33.9066, 1.9504
Hunter-Lab	70.2688, -17.4919, 30.0589

Details

The XYZ color **41.5230, 49.3771, 22.6715** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.4478, 19.5775, 52.9981**, and the grayscale version is **43.9708, 46.2607, 50.3779**.

A 20% lighter version of the original color is **76.6024, 88.9932, 48.7373**, and **19.3008, 23.7711, 8.1284** is the 20% darker color. If you saturate the color by 10%, you get **39.9997, 48.7046, 17.5795**, and if you desaturate by 10%, it is **43.2887, 50.1512, 28.9791**.

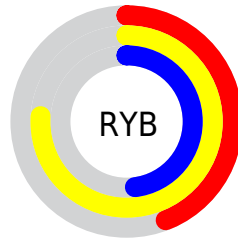
Distribution



Red (72%)

Green (76%)

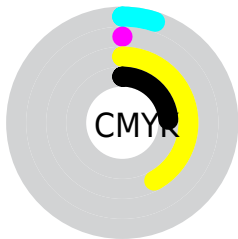
Blue (44%)



Red (44%)

Yellow (76%)

Blue (48%)

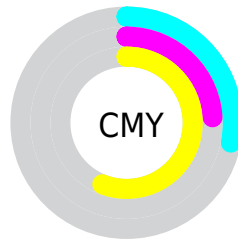


Cyan (5%)

Magenta (0%)

Yellow (42%)

Black (24%)



Cyan (28%)

Magenta (24%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5230, 49.3771, 22.6715 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 41.5230, 49.3771, 22.6715 by changing the saturation by 10% instead.

■ 41.5230, 49.3771,
22.6715

■ 41.5230, 49.3771,
22.6715

343.5271,
384.2250, 279.1003

■ 28.9174, 34.9187,
14.1481

■ 76.7469, 89.2513,
48.7697

■ 19.1623, 23.6003,
8.0838

■ 100.0959,
115.4358, 67.1816

■ 11.8923, 15.0374,
4.0601

■ 127.7569,
146.2979, 89.7268

■ 6.7421, 8.8456,
1.6584

■ 160.0950,
182.2219, 116.8237

■ 3.3462, 4.6406,
0.3320

197.4758,
223.5923, 148.8910

■ 1.3394, 2.0380,
0.0000

240.2645,

■ 0.2124, 0.6294,

270.7933, 186.3472

0.0000

288.8265,
324.2094, 229.6107

■ 0.0000, 0.0000,
0.0000

■ 41.5230, 49.3771,
22.6715

■ 41.5230, 49.3771,
22.6715

■ 39.9997, 48.7046,
17.5795

■ 43.2887, 50.1512,
28.9791

■ 38.7003, 48.1210,
13.6219

■ 45.3067, 51.0256,
36.5706

■ 37.6094, 47.6218,
10.7122


■ 47.5908, 52.0075,
45.5127


■ 36.7078, 47.1995,
8.7503


■ 50.1527, 53.1017,
55.8669


■ 35.9729, 46.8450,
7.6169


■ 53.0034, 54.3126,
67.6905

 35.4687, 46.5955,
7.1244

 56.1532, 55.6442,
81.0381

 59.6120, 57.1005,
95.9611

 61.4976, 57.9287,
102.5478

 62.1480, 58.2640,
102.5783

Harmonies

Analogous

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



49.1315, 49.3771, 21.2092



41.5230, 49.3771, 22.6715



35.9929, 49.3771, 31.1193

Triad

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



41.5230, 49.3771, 22.6715



38.1597, 49.3771, 95.6326



63.6031, 49.3771, 60.2098

Complementary

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



41.5230, 49.3771, 22.6715



23.4478, 19.5775, 52.9981

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.



59.8880, 49.3771, 85.3618



41.5230, 49.3771, 22.6715



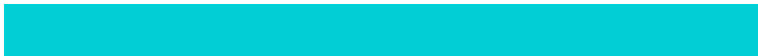
44.7981, 49.3771, 109.2432

Square

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



41.5230, 49.3771, 22.6715



34.2081, 49.3771, 71.5549



52.7903, 49.3771, 105.0338



62.4732, 49.3771, 39.1961

Rectangle

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



41.5230, 49.3771, 22.6715



33.9464, 49.3771, 41.2970



52.7903, 49.3771, 105.0338



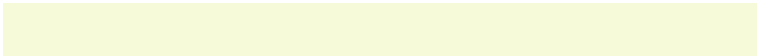
62.8660, 49.3771, 68.5153

Sweetspot

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



41.5242, 49.3793, 22.6725



84.6992, 92.9128, 79.3975



31.8109, 26.2931, 18.7284



17.9692, 19.8464, 16.2369



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



41.5242, 49.3793, 22.6725



71.9380, 87.3599, 32.4559



33.3328, 45.1565, 22.2892



10.7870, 11.6932, 10.7503



23.6354, 31.0133, 4.7405



1.0563, 1.3581, 0.2065

Inverse Universe

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



23.4478, 19.5775, 52.9981



35.4469, 27.1593, 93.7343



30.3116, 23.1159, 53.3193



9.6414, 9.8063, 12.6695



6.6875, 2.7080, 33.7268



0.3279, 0.1371, 1.4591

Previews

White Background



This preview shows how the XYZ color 41.5230, 49.3771, 22.6715 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 41.5230, 49.3771, 22.6715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

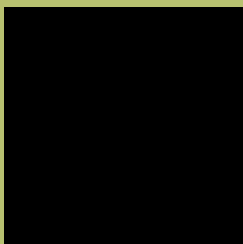
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

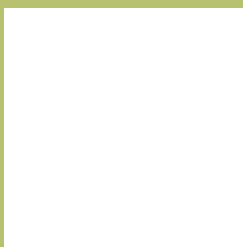
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.5230, 49.3771, 22.6715

Background



This preview shows how black text looks on a background with the XYZ color 41.5230, 49.3771, 22.6715.



This preview shows how white text looks on a background with the XYZ color 41.5230, 49.3771,

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

41.5230, 49.3771, 22.6715

Protanopia

45.2752, 49.0810, 21.8392

Deuteranopia

50.0662, 49.0861, 23.0555



Tritanopia

49.0038, 49.2356, 59.7440

Trichromacy



Original Color

41.5230, 49.3771, 22.6715

Protanomaly

43.8318, 49.2787, 22.2405

Deuteranomaly

46.5491, 48.7835, 22.8823

Tritanomaly

45.6395, 49.1126, 43.1506

Monochromacy



Original Color

41.5230, 49.3771, 22.6715

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.6411, 47.0433, 38.2853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5230, 49.3771, 22.6715 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(183, 193, 112)` looks like.

```
.text, #text, p{  
    color:rgb(183, 193, 112)  
}
```

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(183, 193, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 193, 112) }
```

Border

The CSS property to change the border of an element to XYZ 41.5230, 49.3771, 22.6715 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(183, 193, 112) }
```


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

```
.border{ border-color:rgb(183, 193, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 193, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 193, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 193, 112);  
box-shadow:4px 4px 4px 4px rgb(183, 193,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5230, 49.3771, 22.6715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 193, 112) }
```

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

```
.background{ background-color: rgb(183,  
193, 112) }
```

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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