

Converting Colors

XYZ(40.3784, 49.2724, 22.8533)

Have a look what the booklet for
XYZ(40.3784, 49.2724, 22.8533)
contains.

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Color

**XYZ(40.3479, 49.1005,
22.6800)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C270
RGB	177, 194, 112
RGB Percent	69%, 76%, 44%
CMY	0.3059, 0.2392, 0.5608
CMYK	0.09, 0.00, 0.42, 0.24
HSL	72°, 40%, 60%
HSV	72°, 42%, 76%
XYZ	40.3479, 49.1005, 22.6800
YIQ	179.5690, 16.1900, -29.1060

Conversions

Conversions Part 2

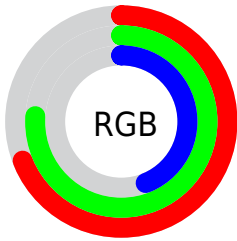
Format	Color
RYB	112, 194, 129
Decimal	11649648
CIELab	75.51, -18.68, 39.23
CIELCh	76, 43.446, 115.463
Yxy	49.1005, 0.3598, 0.4379
Android (android.graphics.Color)	4289839728 (0xFFB1C270)
YUV	179.5690, -33.3115, -2.2530
Hunter-Lab	70.0717, -19.8438, 29.8599

Details

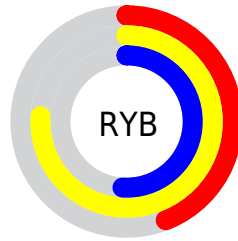
The XYZ color **40.3479, 49.1005, 22.6800** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.5868, 20.1517, 53.6355**, and the grayscale version is **43.3192, 45.5751, 49.6313**.

A 20% lighter version of the original color is **74.9088, 88.5803, 48.7469**, and **18.4160, 23.3149, 8.0870** is the 20% darker color. If you saturate the color by 10%, you get **38.4796, 48.2506, 17.5489**, and if you desaturate by 10%, it is **42.4784, 50.0619, 29.0402**.

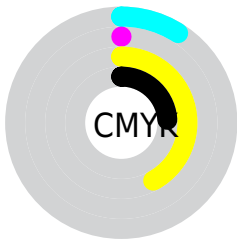
Distribution



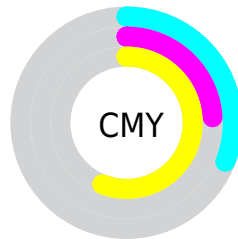
- Red (69%)
- Green (76%)
- Blue (44%)



- Red (44%)
- Yellow (76%)
- Blue (51%)



- Cyan (9%)
- Magenta (0%)
- Yellow (42%)
- Black (24%)



- Cyan (31%)
- Magenta (24%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3479, 49.1005, 22.6800 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 40.3479, 49.1005, 22.6800 by changing the saturation by 10% instead.

■ 40.3479, 49.1005,
22.6800

■ 40.3479, 49.1005,
22.6800

338.6971,
383.1378, 279.1456

■ 27.9953, 34.6992,
14.1543

■ 74.9740, 88.8407,
48.7839

■ 18.4626, 23.4313,
8.0881

■ 97.9782, 114.9484,
67.1991

■ 11.3843, 14.9123,
4.0628

■ 125.2636,
145.7270, 89.7480

■ 6.3951, 8.7578,
1.6599

■ 157.1957,
181.5610, 116.8491

■ 3.1297, 4.5836,
0.3330

194.1397,
222.8346, 148.9208

■ 1.2227, 2.0051,
0.0000

236.4610,

■ 0.1242, 0.6104,

269.9324, 186.3818

0.0000

284.5250,
323.2387, 229.6505

■ 0.0000, 0.0000,
0.0000

■ 40.3479, 49.1005,
22.6800

■ 40.3479, 49.1005,
22.6800

■ 38.4796, 48.2506,
17.5489

■ 42.4784, 50.0619,
29.0402

■ 36.8545, 47.4993,
13.5642

■ 44.8815, 51.1337,
36.6987

■ 35.4568, 46.8421,
10.6382


■ 47.5712, 52.3233,
45.7234

■ 34.2669, 46.2710,
8.6690


■ 50.5597, 53.6356,
56.1766


■ 33.2613, 45.7767,
7.5347

■ 53.8581, 55.0752,
68.1165

 32.5765, 45.4336,
7.0526

 57.4773, 56.6463,
81.5984

 61.4272, 58.3530,
96.6745

 63.6894, 59.3878,
102.7139

 64.8435, 59.9828,
102.7680

Harmonies

Analogous

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



47.8991, 49.1005, 20.4160



40.3479, 49.1005, 22.6800



35.0835, 49.1005, 32.1293

Triad

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



40.3479, 49.1005, 22.6800



38.4605, 49.1005, 98.7177



63.7904, 49.1005, 57.0325

Complementary

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



40.3479, 49.1005, 22.6800



24.5868, 20.1517, 53.6355

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.



60.5587, 49.1005, 82.6124



40.3479, 49.1005, 22.6800



45.4592, 49.1005, 110.6772

Square

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



40.3479, 49.1005, 22.6800



34.0845, 49.1005, 74.7852



53.6171, 49.1005, 104.0701



62.0217, 49.1005, 36.6343

Rectangle

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



40.3479, 49.1005, 22.6800



33.2766, 49.1005, 43.1251



53.6171, 49.1005, 104.0701



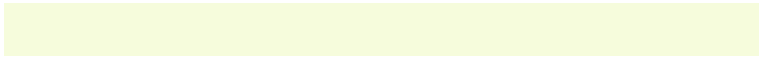
63.2434, 49.1005, 65.3315

Sweetspot

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



40.3491, 49.1027, 22.6810



85.7029, 94.5802, 81.1933



32.9459, 28.1835, 19.0334



18.5202, 20.6027, 16.9381



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



40.3491, 49.1027, 22.6810



69.8573, 87.4801, 32.1731



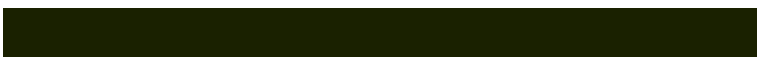
32.4691, 45.0404, 22.3123



10.7023, 11.6495, 10.7464



21.4864, 29.9055, 4.6399



0.9811, 1.3193, 0.2029

Inverse Universe

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



24.5868, 20.1517, 53.6355



37.4634, 27.9191, 95.8842



31.9815, 23.9639, 53.9816



9.7191, 9.8464, 12.6731



7.0395, 2.8894, 33.7433



0.3627, 0.1550, 1.4607

Previews

White Background



This preview shows how the XYZ color 40.3479, 49.1005, 22.6800 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 40.3479, 49.1005, 22.6800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

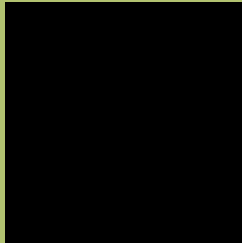
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.3479, 49.1005, 22.6800

Background



This preview shows how black text looks on a background with the XYZ color 40.3479, 49.1005, 22.6800.



This preview shows how white text looks on a background with the XYZ color 40.3479, 49.1005,

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

40.3479, 49.1005, 22.6800

Protanopia

44.9478, 48.9184, 21.5412

Deuteranopia

49.6150, 48.5525, 23.2796



Tritanopia

48.0726, 49.0496, 60.3599

Trichromacy



Original Color

40.3479, 49.1005, 22.6800

Protanomaly

43.2602, 48.9903, 21.9279

Deuteranomaly

45.7601, 48.3702, 23.1442

Tritanomaly

44.7254, 48.9468, 43.6496

Monochromacy



Original Color

40.3479, 49.1005, 22.6800

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.8558, 46.6482, 37.8083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3479, 49.1005, 22.6800 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(177, 194, 112)` looks like.

```
.text, #text, p{  
    color:rgb(177, 194, 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(177, 194, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 194, 112) }
```

Border

The CSS property to change the border of an element to XYZ 40.3479, 49.1005, 22.6800 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(177, 194, 112) }
```


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

```
.border{ border-color:rgb(177, 194, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 194, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 194, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 194, 112);  
box-shadow:4px 4px 4px 4px rgb(177, 194,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3479, 49.1005, 22.6800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 194, 112) }
```

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

```
.background{ background-color: rgb(177,  
194, 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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