

Converting Colors

XYZ(22.6340, 40.3152, 7.6630)

Have a look what the booklet for
XYZ(22.6340, 40.3152, 7.6630)
contains.

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Color

**XYZ(22.6433, 40.2871,
7.6814)**

Conversions

Conversions Part 1

Format	Color
Hex	4EC21C
RGB	78, 194, 28
RGB Percent	31%, 76%, 11%
CMY	0.6941, 0.2392, 0.8902
CMYK	0.60, 0.00, 0.86, 0.24
HSL	102°, 75%, 44%
HSV	102°, 86%, 76%
XYZ	22.6433, 40.2871, 7.6814
YIQ	140.3920, -15.8500, -76.2180

Conversions

Conversions Part 2

Format	Color
R_{YB}	28, 194, 144
Decimal	5161500
CIE _{Lab}	69.67, -59.32, 65.07
CIE _{LCh}	70, 88.056, 132.354
Yxy	40.2871, 0.3207, 0.5705
Android (android.graphics.Color)	4283351580 (0xFF4EC21C)
YUV	140.3920, -55.4093, -54.7178
Hunter-Lab	63.4721, -47.3974, 37.2552

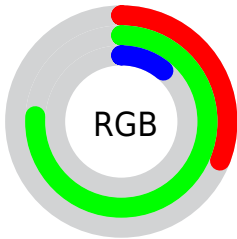
Details

The XYZ color **22.6433, 40.2871, 7.6814** is a dark color, and the websafe version is hex **66CC33**.

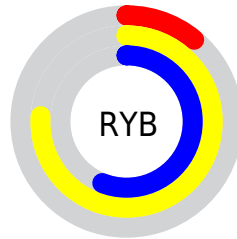
The color can be described as dark washed green. A complement of this color would be **21.6575, 10.6567, 51.9566**, and the grayscale version is **25.2949, 26.6122, 28.9807**.

A 20% lighter version of the original color is **47.4711, 75.9344, 21.8277**, and **9.2326, 18.4652, 3.0775** is the 20% darker color. If you saturate the color by 10%, you get **21.4830, 39.7090, 6.7796**, and if you desaturate by 10%, it is **24.1836, 41.0464, 9.3811**.

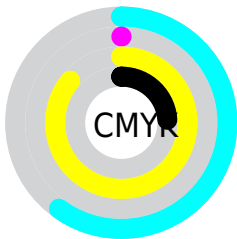
Distribution



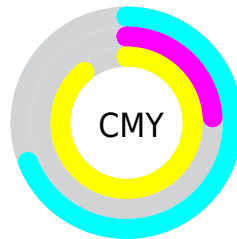
- Red (31%)
- Green (76%)
- Blue (11%)



- Red (11%)
- Yellow (76%)
- Blue (56%)



- Cyan (60%)
- Magenta (0%)
- Yellow (86%)
- Black (24%)



- Cyan (69%)
- Magenta (24%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6433, 40.2871, 7.6814 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 22.6433, 40.2871, 7.6814 by changing the saturation by 10% instead.

■ 22.6433, 40.2871,
7.6814

■ 22.6433, 40.2871,
7.6814

258.4573,
347.3322, 183.0516

■ 14.4496, 27.7625,
3.8069

■ 47.2779, 75.6005,
21.8672

■ 8.5178, 18.1467,
1.5200

■ 64.4496, 99.1581,
33.0156

■ 4.4826, 11.0553,
0.2328

■ 85.3446, 127.1620,
47.4258

■ 1.9786, 6.1041,
0.0000

■ 110.3283,
159.9968, 65.5162

■ 0.6219, 2.9085,
0.0000

■ 139.7660,
198.0469, 87.7055

■ 0.0000, 1.0841,
0.0000

■ 174.0232,

■ 0.0000, 0.0000,

241.6965, 114.4121

0.0000

213.4652,
291.3301, 146.0546

■ 22.6433, 40.2871,
7.6814

■ 22.6433, 40.2871,
7.6814

■ 21.4830, 39.7090,
6.7796

■ 24.1836, 41.0464,
9.3811

■ 21.0624, 39.4976,
6.5137

■ 26.1394, 41.9985,
12.0093

■ 28.5439, 43.1594,
15.6750

■ 31.4259, 44.5420,
20.4712

■ 34.8117, 46.1579,
26.4807

■ 38.7253, 48.0179,
33.7785

■ 43.1891, 50.1322,
42.4336

■ 48.2244, 52.5101,
52.5099

■ 53.8510, 55.1608,
64.0676

Harmonies

Analogous

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



32.7251, 40.2871, 3.1963



22.6433, 40.2871, 7.6814



17.6707, 40.2871, 24.1236

Triad

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



22.6433, 40.2871, 7.6814



30.5739, 40.2871, 169.1331



71.7661, 40.2871, 29.1314

Complementary

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



22.6433, 40.2871, 7.6814



21.6575, 10.6567, 51.9566

Split Complementary

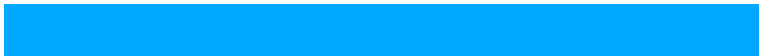
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.7756, 40.2871, 72.2028



22.6433, 40.2871, 7.6814



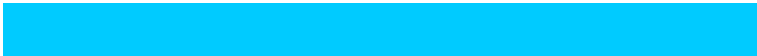
44.4562, 40.2871, 173.7850

Square

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



22.6433, 40.2871, 7.6814



21.4065, 40.2871, 120.7849



59.8693, 40.2871, 131.1292



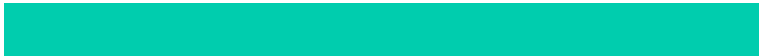
62.3109, 40.2871, 9.3987

Rectangle

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



22.6433, 40.2871, 7.6814



16.9255, 40.2871, 47.1673



59.8693, 40.2871, 131.1292



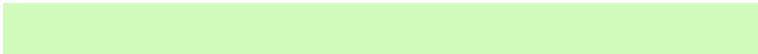
72.6991, 40.2871, 40.7221

Sweetspot

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



22.6442, 40.2888, 7.6823



69.5165, 86.6886, 59.9775



32.0485, 30.7332, 5.3422



14.6566, 18.7148, 12.0669



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.



22.6442, 40.2888, 7.6823



37.9345, 71.4414, 11.7902



20.5468, 39.1422, 10.5345



10.2233, 11.4026, 10.7240



13.9208, 26.0053, 4.2858



0.6730, 1.1605, 0.1885

Inverse Universe

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



21.6575, 10.6567, 51.9566



35.6424, 16.3363, 93.7445



29.3268, 14.9657, 36.2624



10.1925, 10.0904, 12.6953



13.1186, 6.0233, 34.0278



0.6338, 0.2948, 1.4734

Previews

White Background



This preview shows how the XYZ color 22.6433, 40.2871, 7.6814 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 22.6433, 40.2871, 7.6814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

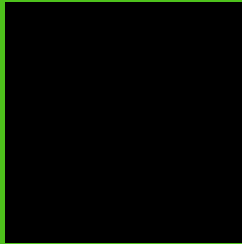
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.6433, 40.2871, 7.6814

Background



This preview shows how black text looks on a background with the XYZ color 22.6433, 40.2871, 7.6814.



This preview shows how white text looks on a background with the XYZ color 22.6433, 40.2871,

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

22.6433, 40.2871, 7.6814

Protanopia

35.5494, 39.3736, 6.3880

Deuteranopia

40.2557, 39.3521, 8.2703



Tritanopia

32.4783, 39.8339, 57.6067

Trichromacy



Original Color

22.6433, 40.2871, 7.6814



Protanomaly

28.4695, 38.2922, 6.7012



Deuteranomaly

30.2570, 37.4517, 7.7320



Tritanomaly

26.6890, 39.0158, 28.6784

Monochromacy



Original Color

22.6433, 40.2871, 7.6814



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

22.1591, 29.8244, 16.3932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6433, 40.2871, 7.6814 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(78, 194, 28)` looks like.

```
.text, #text, p{  
    color:rgb(78, 194, 28)  
}
```

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(78, 194, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 194, 28) }
```

Border

The CSS property to change the border of an element to XYZ 22.6433, 40.2871, 7.6814 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(78, 194, 28) }
```


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

```
.border{ border-color:rgb(78, 194, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 194, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 194, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 194, 28);  
box-shadow:4px 4px 4px 4px rgb(78, 194,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6433, 40.2871, 7.6814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 194, 28) }
```

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

```
.background{ background-color: rgb(78, 194,  
28) }
```

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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