

Converting Colors

XYZ(22.6326, 40.3156, 6.8746)

Have a look what the booklet for
XYZ(22.6326, 40.3156, 6.8746)
contains.

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Color

**XYZ(22.6548, 40.3110,
6.8739)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 50C20A |
| RGB | 80, 194, 10 |
| RGB Percent | 31%, 76%, 4% |
| CMY | 0.6863, 0.2392, 0.9607 |
| CMYK | 0.59, 0.00, 0.95, 0.24 |
| HSL | 97°, 90%, 40% |
| HSV | 97°, 95%, 76% |
| XYZ | 22.6548, 40.3110, 6.8739 |
| YIQ | 138.9380, -8.8800, -81.3920 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 10, 194, 124 |
| Decimal | 5292554 |
| CIELab | 69.69, -59.34, 68.11 |
| CIELCh | 70, 90.334, 131.067 |
| Yxy | 40.3110, 0.3244, 0.5772 |
| Android (android.graphics.Color) | 4283482634 (0xFF50C20A) |
| YUV | 138.9380, -63.5664, -51.6886 |
| Hunter-Lab | 63.4909, -47.4169, 38.0246 |

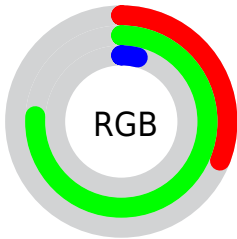
Details

The XYZ color **22.6548, 40.3110, 6.8739** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed green. A complement of this color would be **18.1626, 8.3997, 51.7053**, and the grayscale version is **24.7580, 26.0473, 28.3656**.

A 20% lighter version of the original color is **47.2138, 75.3697, 20.2430**, and **9.2326, 18.4652, 3.0775** is the 20% darker color. If you saturate the color by 10%, you get **22.1006, 40.0328, 6.5623**, and if you desaturate by 10%, it is **23.9353, 40.9525, 7.8330**.

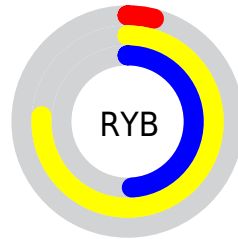
Distribution



Red (31%)

Green (76%)

Blue (4%)



Red (4%)

Yellow (76%)

Blue (49%)

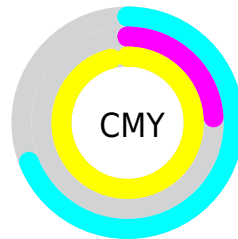


Cyan (59%)

Magenta (0%)

Yellow (95%)

Black (24%)



Cyan (69%)


Magenta (24%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.6548, 40.3110, 6.8739 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 22.6548, 40.3110, 6.8739 by changing the saturation by 10% instead.


 22.6548, 40.3110,
6.8739


 22.6548, 40.3110,
6.8739


258.5156,
347.4327, 176.2028


 14.4581, 27.7811,
3.3061


 47.2967, 75.6369,
20.2276


 8.5238, 18.1607,
1.2530


 64.4727, 99.2016,
30.8506

 4.4865, 11.0654,
0.0228


 85.3724, 127.2135,
44.6624

 1.9809, 6.1109,
0.0000

 110.3613,
160.0568, 62.0816

 0.6232, 2.9126,
0.0000

 139.8047,
198.1160, 83.5267

 0.0000, 1.0863,
0.0000

 174.0680,

 0.0000, 0.0000,

241.7754, 109.4162

0.0000

213.5165,
291.4195, 140.1687

■ 22.6548, 40.3110,
6.8739

■ 22.6548, 40.3110,
6.8739

■ 22.1006, 40.0328,
6.5623

■ 23.9353, 40.9525,
7.8330

■ 25.5570, 41.7511,
9.5977

■ 27.5537, 42.7227,
12.2984

■ 29.9533, 43.8794,
16.0415

■ 32.7807, 45.2320,
20.9190

■ 36.0586, 46.7903,
27.0129

■ 39.8078, 48.5635,
34.3976

■ 44.0475, 50.5600,
43.1415

■ 48.7962, 52.7880,
53.3082

Harmonies

Analogous

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



33.1674, 40.3110, 2.8079



22.6548, 40.3110, 6.8739



17.4006, 40.3110, 22.6093

Triad

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



22.6548, 40.3110, 6.8739



29.8980, 40.3110, 172.5812



73.0551, 40.3110, 30.1799

Complementary

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



22.6548, 40.3110, 6.8739



18.1626, 8.3997, 51.7053

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.



71.5313, 40.3110, 75.5385



22.6548, 40.3110, 6.8739



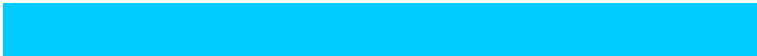
43.9682, 40.3110, 179.7998

Square

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



22.6548, 40.3110, 6.8739



20.7878, 40.3110, 120.8720



59.9085, 40.3110, 136.8720



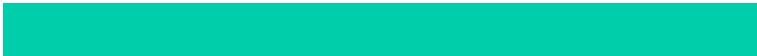
63.6572, 40.3110, 9.4015

Rectangle

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



22.6548, 40.3110, 6.8739



16.5202, 40.3110, 45.4088



59.9085, 40.3110, 136.8720



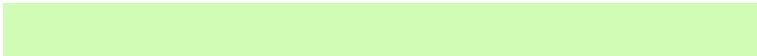
73.8544, 40.3110, 42.4091

Sweetspot

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



22.6557, 40.3127, 6.8748



69.5665, 86.7757, 57.2110



29.4463, 25.7763, 3.7111



14.5866, 18.6965, 11.2583



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.



22.6557, 40.3127, 6.8748



39.7779, 72.3917, 11.8765



19.6719, 38.7515, 7.7731



10.2985, 11.4413, 10.7275



14.6146, 26.3630, 4.3183



0.7083, 1.1787, 0.1902

Inverse Universe

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



18.1626, 8.3997, 51.7053



31.4358, 14.1677, 93.5476



29.8562, 14.6867, 40.5630



10.1142, 10.0500, 12.6916



11.6077, 5.2444, 33.9571



0.5762, 0.2651, 1.4707

Previews

White Background



This preview shows how the XYZ color 22.6548, 40.3110, 6.8739 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 22.6548, 40.3110, 6.8739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

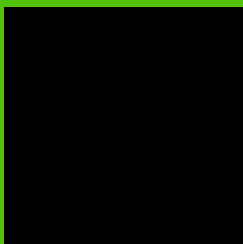
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

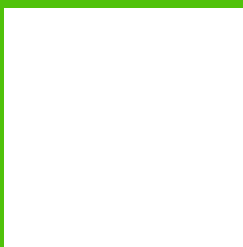
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.6548, 40.3110, 6.8739

Background



This preview shows how black text looks on a background with the XYZ color 22.6548, 40.3110, 6.8739.



This preview shows how white text looks on a background with the XYZ color 22.6548, 40.3110,

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

22.6548, 40.3110, 6.8739

Protanopia

35.6738, 39.4523, 5.7348

Deuteranopia

40.4116, 39.4478, 7.5821



Tritanopia

32.7271, 39.9622, 57.6183

Trichromacy



Original Color

22.6548, 40.3110, 6.8739



Protanomaly

28.7048, 38.4289, 6.0195



Deuteranomaly

30.5039, 37.5981, 6.8777



Tritanomaly

26.5008, 38.9658, 26.5465

Monochromacy



Original Color

22.6548, 40.3110, 6.8739



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.8011, 29.4205, 14.6549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6548, 40.3110, 6.8739 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(80, 194, 10)` looks like.

```
.text, #text, p{  
    color:rgb(80, 194, 10)  
}
```

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(80, 194, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 194, 10) }
```

Border

The CSS property to change the border of an element to XYZ 22.6548, 40.3110, 6.8739 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(80, 194, 10) }
```


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

```
.border{ border-color:rgb(80, 194, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 194, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 194, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 194, 10);  
box-shadow:4px 4px 4px 4px rgb(80, 194,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6548, 40.3110, 6.8739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 194, 10) }
```

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

```
.background{ background-color: rgb(80, 194,  
10) }
```

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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