

Converting Colors

XYZ(22.2462, 39.7599, 6.8151)

Have a look what the booklet for
XYZ(22.2462, 39.7599, 6.8151)
contains.

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Color

**XYZ(22.2723, 39.7838,
6.8218)**

Conversions

Conversions Part 1

Format	Color
Hex	4EC10B
RGB	78, 193, 11
RGB Percent	31%, 76%, 4%
CMY	0.6941, 0.2431, 0.9568
CMYK	0.60, 0.00, 0.94, 0.24
HSL	98°, 89%, 40%
HSV	98°, 94%, 76%
XYZ	22.2723, 39.7838, 6.8218
YIQ	137.8670, -10.1180, -80.9820

Conversions

Conversions Part 2

Format	Color
RYB	11, 193, 126
Decimal	5161227
CIELab	69.32, -59.48, 67.66
CIELCh	69, 90.089, 131.319
Yxy	39.7838, 0.3234, 0.5776
Android (android.graphics.Color)	4283351307 (0xFF4EC10B)
YUV	137.8670, -62.5454, -52.5034
Hunter-Lab	63.0744, -47.3498, 37.7396

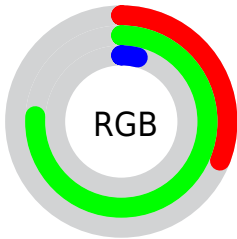
Details

The XYZ color **22.2723, 39.7838, 6.8218** 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 **18.3537, 8.5277, 51.1329**, and the grayscale version is **24.3424, 25.6101, 27.8894**.

A 20% lighter version of the original color is **46.5622, 74.5712, 20.1232**, and **9.0885, 18.1770, 3.0295** is the 20% darker color. If you saturate the color by 10%, you get **21.6720, 39.4825, 6.4787**, and if you desaturate by 10%, it is **23.5449, 40.4205, 7.8109**.

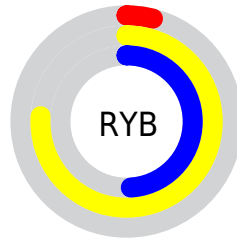
Distribution



Red (31%)

Green (76%)

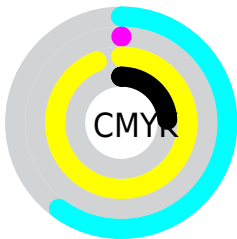
Blue (4%)



Red (4%)

Yellow (76%)

Blue (49%)

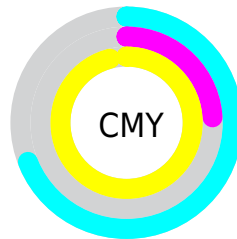


Cyan (60%)

Magenta (0%)

Yellow (94%)

Black (24%)



Cyan (69%)


Magenta (24%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.2723, 39.7838, 6.8218 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 22.2723, 39.7838, 6.8218 by changing the saturation by 10% instead.


 22.2723, 39.7838,
6.8218


 22.2723, 39.7838,
6.8218


256.5707,
345.2115, 175.7490


 14.1748, 27.3700,
3.2742


 46.6711, 74.8342,
20.1205

 8.3249, 17.8513,
1.2363


 63.7032, 98.2396,
30.7087


 4.3571, 10.8433,
0.0087


 84.4443, 126.0776,
44.4808

 1.9061, 5.9616,
0.0000

 109.2596,
158.7327, 61.8554

 0.5804, 2.8217,
0.0000

 138.5145,
196.5892, 83.2509

 0.0000, 1.0394,
0.0000

 172.5745,

 0.0000, 0.0000,

240.0316, 109.0860

0.0000

211.8047,
289.4442, 139.7792

■ 22.2723, 39.7838,
6.8218

■ 22.2723, 39.7838,
6.8218

■ 21.6720, 39.4825,
6.4787

■ 23.5449, 40.4205,
7.8109

■ 25.1626, 41.2164,
9.6043

■ 27.1590, 42.1874,
12.3290

■ 29.5622, 43.3456,
16.0893

■ 32.3970, 44.7017,
20.9753

■ 35.6861, 46.2659,
27.0675

■ 39.4504, 48.0472,
34.4392

■ 43.7094, 50.0542,
43.1575

■ 48.4814, 52.2950,
53.2850

Harmonies

Analogous

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



32.6167, 39.7838, 2.7611



22.2723, 39.7838, 6.8218



17.1238, 39.7838, 22.4992

Triad

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



22.2723, 39.7838, 6.8218



29.5923, 39.7838, 170.9202



72.1335, 39.7838, 29.4987

Complementary

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



22.2723, 39.7838, 6.8218



18.3537, 8.5277, 51.1329

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.



70.7223, 39.7838, 74.1379



22.2723, 39.7838, 6.8218



43.5344, 39.7838, 177.6097

Square

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



22.2723, 39.7838, 6.8218



20.5461, 39.7838, 119.9820



59.2902, 39.7838, 134.8050



62.7611, 39.7838, 9.1534

Rectangle

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



22.2723, 39.7838, 6.8218



16.2791, 39.7838, 45.1762



59.2902, 39.7838, 134.8050



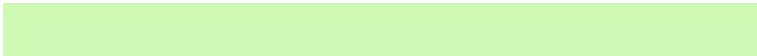
72.9568, 39.7838, 41.5110

Sweetspot

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



22.2732, 39.7855, 6.8227



67.7507, 84.6777, 55.9152



29.1670, 25.5886, 3.7191



13.9162, 17.8733, 10.7926



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.



22.2732, 39.7855, 6.8227



38.5659, 70.5832, 11.5913



19.4732, 38.3185, 7.7544



10.2867, 11.4353, 10.7269



14.4950, 26.3013, 4.3127



0.7025, 1.1757, 0.1899

Inverse Universe

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



18.3537, 8.5277, 51.1329



31.3251, 14.1572, 91.4419



29.5377, 14.5476, 40.1663



10.1263, 10.0562, 12.6922



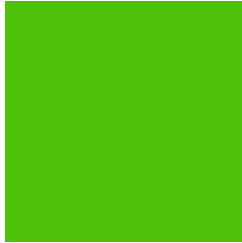
11.8277, 5.3578, 33.9674



0.5848, 0.2695, 1.4711

Previews

White Background



This preview shows how the XYZ color 22.2723, 39.7838, 6.8218 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 22.2723, 39.7838, 6.8218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

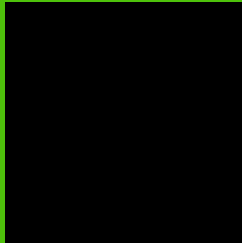
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.2723, 39.7838, 6.8218

Background



This preview shows how black text looks on a background with the XYZ color 22.2723, 39.7838, 6.8218.



This preview shows how white text looks on a background with the XYZ color 22.2723, 39.7838,

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

22.2723, 39.7838, 6.8218

Protanopia

35.2378, 38.9524, 5.6613

Deuteranopia

39.6623, 38.8053, 7.4976



Tritanopia

32.1644, 39.3865, 56.9460

Trichromacy



Original Color

22.2723, 39.7838, 6.8218



Protanomaly

28.1385, 37.8426, 5.9362



Deuteranomaly

29.9015, 37.0061, 6.7952



Tritanomaly

26.0083, 38.4100, 26.1218

Monochromacy



Original Color

22.2723, 39.7838, 6.8218



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.3611, 28.9394, 14.5852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2723, 39.7838, 6.8218 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, 193, 11)` looks like.

```
.text, #text, p{  
    color:rgb(78, 193, 11)  
}
```

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, 193, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 193, 11) }
```

Border

The CSS property to change the border of an element to XYZ 22.2723, 39.7838, 6.8218 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, 193, 11) }
```


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

```
.border{ border-color:rgb(78, 193, 11) }
```

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

Here you see how a box with a 4 pixel rgb(78, 193, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 193, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 193, 11);  
box-shadow:4px 4px 4px 4px rgb(78, 193,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2723, 39.7838, 6.8218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 193, 11) }
```

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

```
.background{ background-color: rgb(78, 193,  
11) }
```

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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