

Converting Colors

XYZ(20.0768, 39.5475, 7.9987)

Have a look what the booklet for
XYZ(20.0768, 39.5475, 7.9987)
contains.

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Color

**XYZ(20.1271, 39.6477,
8.0308)**

Conversions

Conversions Part 1

Format	Color
Hex	09C421
RGB	9, 196, 33
RGB Percent	4%, 77%, 13%
CMY	0.9647, 0.2314, 0.8706
CMYK	0.95, 0.00, 0.83, 0.23
HSL	128°, 91%, 40%
HSV	128°, 95%, 77%
XYZ	20.1271, 39.6477, 8.0308
YIQ	121.5050, -59.1290, -90.3370

Conversions

Conversions Part 2

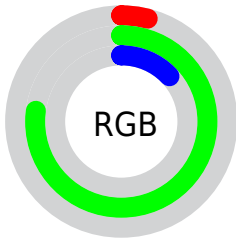
Format	Color
RYB	9, 175, 196
Decimal	640033
CIELab	69.22, -69.29, 63.05
CIELCh	69, 93.688, 137.700
Yxy	39.6477, 0.2968, 0.5847
Android (android.graphics.Color)	4278830113 (0xFF09C421)
YUV	121.5050, -43.6330, -98.6669
Hunter-Lab	62.9664, -53.1340, 36.5146

Details

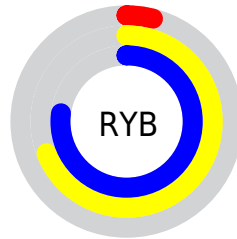
The XYZ color **20.1271, 39.6477, 8.0308** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **30.3098, 14.9102, 40.3094**, and the grayscale version is **18.4899, 19.4528, 21.1841**.

A 20% lighter version of the original color is **43.1265, 74.6170, 22.4854**, and **9.3781, 18.7562, 3.1260** is the 20% darker color. If you saturate the color by 10%, you get **19.9179, 39.5523, 7.5134**, and if you desaturate by 10%, it is **20.8140, 39.9680, 9.6457**.

Distribution



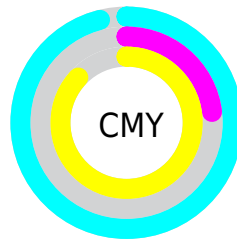
- Red (4%)
- Green (77%)
- Blue (13%)



- Red (4%)
- Yellow (69%)
- Blue (77%)



- Cyan (95%)
- Magenta (0%)
- Yellow (83%)
- Black (23%)





- Cyan (96%)
- Magenta (23%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1271, 39.6477, 8.0308 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 20.1271, 39.6477, 8.0308 by changing the saturation by 10% instead.


 20.1271, 39.6477,
8.0308


 20.1271, 39.6477,
8.0308


245.4228,
344.6364, 185.9170


 12.5963, 27.2640,
4.0266


 43.1325, 74.6267,
22.5660


 7.2262, 17.7716,
1.6400


 59.3378, 97.9908,
33.9340


 3.6516, 10.7861,
0.3191


 79.1652, 125.7839,
48.5938

 1.5070, 5.9232,
0.0000

 102.9802,
158.3902, 66.9638

 0.3306, 2.7984,
0.0000

 131.1481,
196.1942, 89.4626

 0.0000, 1.0274,
0.0000

 164.0343,

 0.0000, 0.0000,

239.5803, 116.5087

0.0000

202.0041,
288.9329, 148.5206

■ 20.1271, 39.6477,
8.0308

■ 20.1271, 39.6477,
8.0308

■ 19.9179, 39.5523,
7.5134

■ 20.8140, 39.9680,
9.6457

■ 21.9877, 40.5221,
12.0007

■ 23.7215, 41.3475,
15.1719

■ 26.0750, 42.4735,
19.2248

■ 29.1003, 43.9258,
24.2185

■ 32.8439, 45.7270,
30.2070

■ 37.3480, 47.8979,
37.2401

■ 42.6517, 50.4577,
45.3643

■ 48.7912, 53.4242,
54.6233

Harmonies

Analogous

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



29.5794, 39.6477, 2.6111



20.1271, 39.6477, 8.0308



15.9486, 39.6477, 27.8590

Triad

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



20.1271, 39.6477, 8.0308



31.8690, 39.6477, 184.5620



72.3692, 39.6477, 22.6151

Complementary

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



20.1271, 39.6477, 8.0308



30.3098, 14.9102, 40.3094

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.



73.4610, 39.6477, 63.2595



20.1271, 39.6477, 8.0308



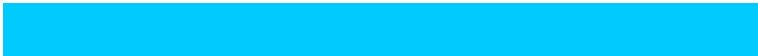
47.1482, 39.6477, 179.3081

Square

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



20.1271, 39.6477, 8.0308



21.4184, 39.6477, 137.5845



63.2876, 39.6477, 126.0102



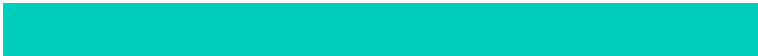
60.6120, 39.6477, 6.3680

Rectangle

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



20.1271, 39.6477, 8.0308



15.7231, 39.6477, 55.2068



63.2876, 39.6477, 126.0102



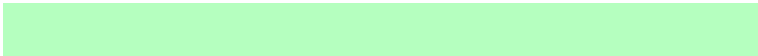
74.0899, 39.6477, 33.0231

Sweetspot

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



20.1280, 39.6493, 8.0317



64.1815, 85.0913, 62.0684



37.2872, 48.5213, 7.6588



12.9969, 17.8562, 12.1257



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.



20.1280, 39.6493, 8.0317



36.0308, 71.6283, 13.3460



23.5118, 41.0028, 25.8502



9.9959, 11.2794, 10.9817



12.8157, 25.4203, 4.9224



0.5713, 1.1054, 0.3054

Inverse Universe

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



30.3098, 14.9102, 40.3094



54.4605, 26.5482, 71.5482



24.3370, 12.5211, 8.8572



10.4399, 10.2245, 12.4068



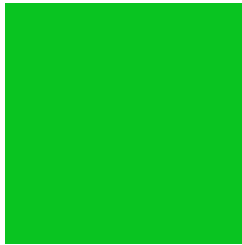
19.3632, 9.4350, 25.6222



0.8525, 0.4140, 1.1906

Previews

White Background



This preview shows how the XYZ color 20.1271, 39.6477, 8.0308 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 20.1271, 39.6477, 8.0308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

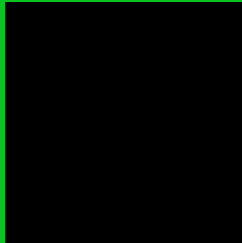
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.1271, 39.6477, 8.0308

Background



This preview shows how black text looks on a background with the XYZ color 20.1271, 39.6477, 8.0308.



This preview shows how white text looks on a background with the XYZ color 20.1271, 39.6477,

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

20.1271, 39.6477, 8.0308

Protanopia

35.1644, 38.8943, 6.5737

Deuteranopia

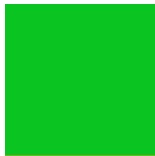
39.6191, 38.7550, 8.7605



Tritanopia

30.2857, 39.2810, 58.8091

Trichromacy



Original Color

20.1271, 39.6477, 8.0308



Protanomaly

24.4422, 36.2097, 6.7995



Deuteranomaly

25.5622, 35.0207, 7.9972



Tritanomaly

23.8612, 38.1590, 29.7747

Monochromacy



Original Color

20.1271, 39.6477, 8.0308



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

15.9862, 23.9824, 13.4594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1271, 39.6477, 8.0308 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(9, 196, 33)` looks like.

```
.text, #text, p{  
    color:rgb(9, 196, 33)  
}
```

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(9, 196, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 196, 33) }
```

Border

The CSS property to change the border of an element to XYZ 20.1271, 39.6477, 8.0308 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(9, 196, 33) }
```


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

```
.border{ border-color:rgb(9, 196, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 196, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 196, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 196, 33);  
box-shadow:4px 4px 4px 4px rgb(9, 196, 33)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.1271, 39.6477, 8.0308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 196, 33) }
```

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

```
.background{ background-color: rgb(9, 196,  
33) }
```

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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