

Converting Colors

XYZ(20.9439, 34.3889, 8.8675)

Have a look what the booklet for
XYZ(20.9439, 34.3889, 8.8675)
contains.

XYZ(20.9766, 34.3731, 8.8973)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.9766, 34.3731,
8.8973)**

Conversions

Conversions Part 1

Format	Color
Hex	5CB235
RGB	92, 178, 53
RGB Percent	36%, 70%, 21%
CMY	0.6392, 0.3019, 0.7921
CMYK	0.48, 0.00, 0.70, 0.30
HSL	101°, 54%, 45%
HSV	101°, 70%, 70%
XYZ	20.9766, 34.3731, 8.8973
YIQ	138.0360, -11.1310, -57.1070

Conversions

Conversions Part 2

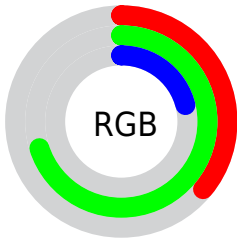
Format	Color
RYB	53, 178, 139
Decimal	6074933
CIELab	65.26, -48.09, 53.31
CIElCh	65, 71.796, 132.052
Yxy	34.3731, 0.3265, 0.5350
Android (android.graphics.Color)	4284265013 (0xFF5CB235)
YUV	138.0360, -41.9227, -40.3736
Hunter-Lab	58.6286, -38.7349, 32.0423

Details

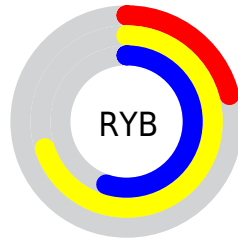
The XYZ color **20.9766, 34.3731, 8.8973** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **19.9584, 11.2508, 43.2410**, and the grayscale version is **24.3301, 25.5971, 27.8753**.

A 20% lighter version of the original color is **44.4711, 66.2967, 24.3626**, and **7.7143, 14.6765, 2.4263** is the 20% darker color. If you saturate the color by 10%, you get **19.5149, 33.6595, 7.0744**, and if you desaturate by 10%, it is **22.7898, 35.2525, 11.5317**.

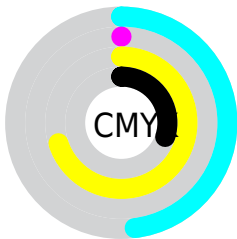
Distribution



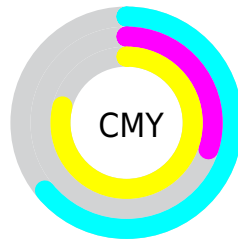
- Red (36%)
- Green (70%)
- Blue (21%)



- Red (21%)
- Yellow (70%)
- Blue (55%)



- Cyan (48%)
- Magenta (0%)
- Yellow (70%)
- Black (30%)





- Cyan (64%)
- Magenta (30%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9766, 34.3731, 8.8973 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 20.9766, 34.3731, 8.8973 by changing the saturation by 10% instead.


 20.9766, 34.3731,
8.8973


 20.9766, 34.3731,
8.8973

249.8882,
321.7925, 192.7997


 13.2193, 23.1804,
4.5784


 44.5402, 66.5135,
24.2742

 7.6577, 14.7267,
1.9477


 61.0771, 88.2299,
36.1692

 3.9267, 8.6278,
0.5228


 81.2713, 114.2230,
51.4267

 1.6607, 4.4992,
0.0000

 105.4880,
144.8771, 70.4652

 0.4315, 1.9566,
0.0000

 134.0927,
180.5768, 93.7032

 0.0000, 0.5821,
0.0000

 167.4508,

 0.0000, 0.0000,

221.7063, 121.5592

0.0000

205.9275,
268.6501, 154.4519

■ 20.9766, 34.3731,
8.8973

■ 20.9766, 34.3731,
8.8973

■ 19.5149, 33.6595,
7.0744

■ 22.7898, 35.2525,
11.5317

■ 18.3750, 33.0952,
5.9666

■ 24.9761, 36.3038,
15.0555

■ 17.5259, 32.6695,
5.3821

■ 27.5578, 37.5382,
19.5397

■ 30.5549, 38.9644,
25.0477

■ 33.9856, 40.5907,
31.6373

■ 37.8672, 42.4248,
39.3621

■ 42.2160, 44.4739,
48.2723

■ 47.0473, 46.7451,
58.4147

■ 52.3759, 49.2449,
69.8339

Harmonies

Analogous

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



28.6525, 34.3731, 4.6456



20.9766, 34.3731, 8.8973



17.0423, 34.3731, 22.3484

Triad

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



20.9766, 34.3731, 8.8973



26.8624, 34.3731, 123.1891



56.5207, 34.3731, 26.6518

Complementary

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



20.9766, 34.3731, 8.8973



19.9584, 11.2508, 43.2410

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.



55.7535, 34.3731, 58.1043



20.9766, 34.3731, 8.8973



37.0478, 34.3731, 126.6094

Square

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



20.9766, 34.3731, 8.8973



19.9078, 34.3731, 90.7093



48.0599, 34.3731, 98.4709



49.9747, 34.3731, 10.6017

Rectangle

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



20.9766, 34.3731, 8.8973



16.4247, 34.3731, 39.5251



48.0599, 34.3731, 98.4709



57.1426, 34.3731, 35.4035

Sweetspot

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



20.9774, 34.3746, 8.8981



60.8777, 73.2504, 55.9044



28.1525, 28.0203, 7.2934



13.0996, 16.0449, 11.6336



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.9774, 34.3746, 8.8981



34.2368, 60.4689, 11.6280



18.6913, 33.1199, 12.2308



8.6302, 9.6144, 9.0534



12.5975, 23.4043, 3.8535



0.4580, 0.7682, 0.1241

Inverse Universe

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



19.9584, 11.2508, 43.2410



32.0854, 15.8452, 77.7485



25.5579, 14.3815, 32.4776



8.5870, 8.5111, 10.6966



11.6072, 5.3195, 30.5520



0.4219, 0.1966, 0.9639

Previews

White Background



This preview shows how the XYZ color 20.9766, 34.3731, 8.8973 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 20.9766, 34.3731, 8.8973 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 20.9766, 34.3731, 8.8973

Background



This preview shows how black text looks on a background with the XYZ color 20.9766, 34.3731, 8.8973.



This preview shows how white text looks on a background with the XYZ color 20.9766, 34.3731,

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

20.9766, 34.3731, 8.8973

Protanopia

30.6649, 33.8972, 7.7229

Deuteranopia

34.5685, 33.9073, 9.4254



Tritanopia

28.8139, 34.1451, 48.2520

Trichromacy



Original Color

20.9766, 34.3731, 8.8973



Protanomaly

25.7079, 33.1603, 8.0632



Deuteranomaly

27.4608, 32.7265, 9.0072



Tritanomaly

24.6217, 33.5349, 27.7294

Monochromacy



Original Color

20.9766, 34.3731, 8.8973



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.9302, 27.9090, 18.1410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9766, 34.3731, 8.8973 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(92, 178, 53)` looks like.

```
.text, #text, p{  
    color:rgb(92, 178, 53)  
}
```

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(92, 178, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 178, 53) }
```

Border

The CSS property to change the border of an element to XYZ 20.9766, 34.3731, 8.8973 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(92, 178, 53) }
```


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

```
.border{ border-color:rgb(92, 178, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 178, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 178, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 178, 53);  
box-shadow:4px 4px 4px 4px rgb(92, 178,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9766, 34.3731, 8.8973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 178, 53) }
```

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

```
.background{ background-color: rgb(92, 178,  
53) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor