

Converting Colors

XYZ(20.9642, 34.3931, 21.1564)

Have a look what the booklet for
XYZ(20.9642, 34.3931, 21.1564)
contains.

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Color

**XYZ(20.9642, 34.3931,
21.1564)**

Conversions

Conversions Part 1

Format	Color
Hex	3CB371
RGB	60, 179, 113
RGB Percent	24%, 70%, 44%
CMY	0.7647, 0.2980, 0.5569
CMYK	0.66, 0.00, 0.37, 0.30
HSL	147°, 50%, 47%
HSV	147°, 66%, 70%
XYZ	20.9642, 34.3931, 21.1564
YIQ	135.8950, -49.7380, -45.7540

Conversions

Conversions Part 2

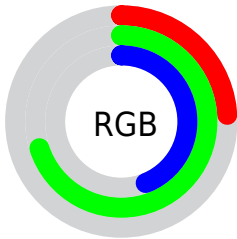
Format	Color
RYB	60, 142, 179
Decimal	3978097
CIELab	65.27, -48.22, 24.29
CIELCh	65, 53.988, 153.266
Yxy	34.3931, 0.2740, 0.4495
Android (android.graphics.Color)	4282168177 (0xFF3CB371)
YUV	135.8950, -11.2872, -66.5599
Hunter-Lab	58.6456, -38.8210, 19.6631

Details

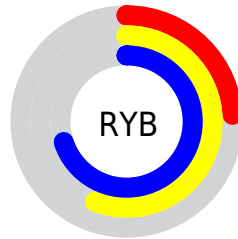
The XYZ color **20.9642, 34.3931, 21.1564** is a dark color, and the websafe version is hex **009966**, and the color name is **mediumseagreen**. A complement of this color would be **23.9732, 14.3225, 21.2408**, and the grayscale version is **23.4174, 24.6370, 26.8297**.

A 20% lighter version of the original color is **44.5327, 66.7006, 46.1247**, and **8.2590, 15.0374, 7.3177** is the 20% darker color. If you saturate the color by 10%, you get **19.5316, 33.7166, 18.3300**, and if you desaturate by 10%, it is **22.8254, 35.2854, 24.3236**.

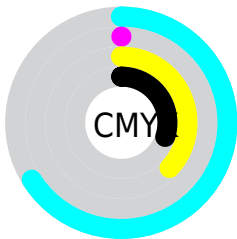
Distribution



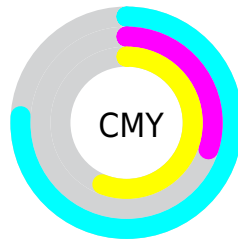
- Red (24%)
- Green (70%)
- Blue (44%)



- Red (24%)
- Yellow (56%)
- Blue (70%)



- Cyan (66%)
- Magenta (0%)
- Yellow (37%)
- Black (30%)





- Cyan (76%)
- Magenta (30%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9642, 34.3931, 21.1564 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 20.9642, 34.3931, 21.1564 by changing the saturation by 10% instead.


 20.9642, 34.3931,
21.1564


 20.9642, 34.3931,
21.1564

249.8235,
321.8813, 270.9168


 13.2101, 23.1958,
13.0460


 44.5197, 66.5445,
46.2318


 7.6514, 14.7381,
7.3291


 61.0518, 88.2674,
64.0340


 3.9226, 8.6358,
3.5872


 81.2407, 114.2675,
85.9038

 1.6585, 4.5044,
1.4017

 105.4516,
144.9293, 112.2598

 0.4301, 1.9595,
0.1431

 134.0500,
180.6372, 143.5206

 0.0000, 0.5838,
0.0000

167.4012,

 0.0000, 0.0000,

221.7756, 180.1047

0.0000

205.8706,
268.7288, 222.4305

■ 20.9642, 34.3931,
21.1564

■ 20.9642, 34.3931,
21.1564

■ 19.5316, 33.7166,
18.3300

■ 22.8254, 35.2854,
24.3236

■ 18.4845, 33.2310,
15.8299

■ 25.1477, 36.4071,
27.8407

■ 17.7694, 32.9100,
13.6435

■ 27.9633, 37.7757,
31.7193

■ 17.5585, 32.8166,
12.9447

■ 31.3007, 39.4056,
35.9696

■ 35.1861, 41.3100,
40.6015

■ 39.6439, 43.5015,
45.6245

■ 44.6969, 45.9917,
51.0478

■ 50.3668, 48.7914,
56.8801

■ 56.6741, 51.9112,
63.1299

Harmonies

Analogous

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



25.0805, 34.3931, 11.6637



20.9642, 34.3931, 21.1564



19.8031, 34.3931, 39.9684

Triad

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



20.9642, 34.3931, 21.1564



33.5581, 34.3931, 99.4162



47.0250, 34.3931, 18.3700

Complementary

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



20.9642, 34.3931, 21.1564



23.9732, 14.3225, 21.2408

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.



50.2194, 34.3931, 35.0363



20.9642, 34.3931, 21.1564



41.7003, 34.3931, 86.5510

Square

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



20.9642, 34.3931, 21.1564



26.3511, 34.3931, 90.9330



48.1307, 34.3931, 60.4898



39.9708, 34.3931, 10.5670

Rectangle

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



20.9642, 34.3931, 21.1564



20.6780, 34.3931, 57.2791



48.1307, 34.3931, 60.4898



48.6329, 34.3931, 22.8211

Sweetspot

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



20.9651, 34.3945, 21.1572



60.2113, 72.6068, 69.4310



25.7539, 37.1133, 10.0815



12.9131, 15.8769, 14.8729



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.



20.9651, 34.3945, 21.1572



33.9843, 59.9191, 30.5743



25.3417, 36.1451, 44.2040



8.5410, 9.5509, 9.8426



12.4390, 23.2016, 9.3143



0.4209, 0.7418, 0.4486

Inverse Universe

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



23.9732, 14.3225, 21.2408



39.7425, 21.3321, 30.6122



21.2485, 13.2326, 6.8928



8.6870, 8.5815, 9.8503



14.7709, 7.4259, 9.2196



0.4936, 0.2452, 0.4419

Previews

White Background



This preview shows how the XYZ color 20.9642, 34.3931, 21.1564 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 20.9642, 34.3931, 21.1564 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 20.9642, 34.3931, 21.1564

Background



This preview shows how black text looks on a background with the XYZ color 20.9642, 34.3931, 21.1564.



This preview shows how white text looks on a background with the XYZ color 20.9642, 34.3931,

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

20.9642, 34.3931, 21.1564

Protanopia

31.3502, 33.7713, 17.9629

Deuteranopia

34.4040, 33.7794, 22.1596



Tritanopia

26.7728, 34.1414, 50.5263

Trichromacy



Original Color

20.9642, 34.3931, 21.1564



Protanomaly

25.4690, 32.7971, 18.8980



Deuteranomaly

26.7710, 32.3495, 21.6627



Tritanomaly

24.0956, 33.8923, 37.6196

Monochromacy



Original Color

20.9642, 34.3931, 21.1564



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.3089, 27.2031, 24.5497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9642, 34.3931, 21.1564 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(60, 179, 113)` looks like.

```
.text, #text, p{  
    color:rgb(60, 179, 113)  
}
```

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(60, 179, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 179, 113) }
```

Border

The CSS property to change the border of an element to XYZ 20.9642, 34.3931, 21.1564 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(60, 179, 113) }
```


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

```
.border{ border-color:rgb(60, 179, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 179, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 179, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 179, 113);  
box-shadow:4px 4px 4px 4px rgb(60, 179,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9642, 34.3931, 21.1564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 179, 113) }
```

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

```
.background{ background-color: rgb(60, 179,  
113) }
```

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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