

Converting Colors

XYZ(21.1057, 39.0107, 14.5869)

Have a look what the booklet for
XYZ(21.1057, 39.0107, 14.5869)
contains.

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Color

**XYZ(21.1102, 39.0113,
14.6009)**

Conversions

Conversions Part 1

Format	Color
Hex	1CC153
RGB	28, 193, 83
RGB Percent	11%, 76%, 33%
CMY	0.8902, 0.2431, 0.6745
CMYK	0.85, 0.00, 0.57, 0.24
HSL	140°, 75%, 43%
HSV	140°, 85%, 76%
XYZ	21.1102, 39.0113, 14.6009
YIQ	131.1250, -63.0300, -69.1900

Conversions

Conversions Part 2

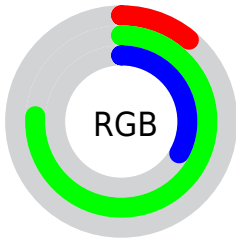
Format	Color
RYB	28, 152, 193
Decimal	1884499
CIELab	68.76, -62.54, 43.77
CIElCh	69, 76.337, 145.016
Yxy	39.0113, 0.2825, 0.5221
Android (android.graphics.Color)	4280074579 (0xFF1CC153)
YUV	131.1250, -23.7256, -90.4406
Hunter-Lab	62.4590, -48.9730, 29.8612

Details

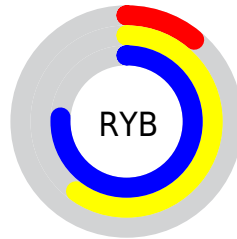
The XYZ color **21.1102, 39.0113, 14.6009** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed green. A complement of this color would be **26.9963, 14.0037, 25.3268**, and the grayscale version is **21.7175, 22.8485, 24.8820**.

A 20% lighter version of the original color is **44.8142, 73.8078, 34.8060**, and **9.3358, 18.2759, 4.3319** is the 20% darker color. If you saturate the color by 10%, you get **20.2894, 38.6415, 12.2061**, and if you desaturate by 10%, it is **22.3624, 39.5951, 17.4990**.

Distribution



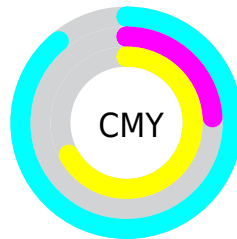
- Red (11%)
- Green (76%)
- Blue (33%)



- Red (11%)
- Yellow (60%)
- Blue (76%)



- Cyan (85%)
- Magenta (0%)
- Yellow (57%)
- Black (24%)





- Cyan (89%)
- Magenta (24%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1102, 39.0113, 14.6009 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 21.1102, 39.0113, 14.6009 by changing the saturation by 10% instead.


 21.1102, 39.0113,
14.6009


 21.1102, 39.0113,
14.6009


250.5842,
341.9385, 232.4947


 13.3175, 26.7685,
8.3963


 44.7608, 73.6556,
34.8838

 7.7260, 17.3994,
4.2582

 61.3493, 96.8259,
49.7992


 3.9705, 10.5197,
1.7680


 81.6006, 124.4074,
68.4553

 1.6854, 5.7449,
0.4067

 105.8798,
156.7847, 91.2706

 0.4471, 2.6906,
0.0000

 134.5525,
194.3421, 118.6636

 0.0000, 0.9724,
0.0000

167.9838,

 0.0000, 0.0000,

237.4639, 151.0530

0.0000

206.5393,
286.5346, 188.8571

■ 21.1102, 39.0113,
14.6009

■ 21.1102, 39.0113,
14.6009

■ 20.2894, 38.6415,
12.2061

■ 22.3624, 39.5951,
17.4990

■ 20.0056, 38.5153,
11.2801

■ 24.1046, 40.4192,
20.9251

■ 26.3881, 41.5107,
24.9056

■ 29.2566, 42.8915,
29.4638

■ 32.7493, 44.5815,
34.6221

■ 36.9017, 46.5985,
40.4014

■ 41.7467, 48.9591,
46.8216

■ 47.3149, 51.6787,
53.9017

■ 53.6351, 54.7717,
61.6601

Harmonies

Analogous

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



28.0934, 39.0113, 6.2043



21.1102, 39.0113, 14.6009



18.4098, 39.0113, 36.9519

Triad

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



21.1102, 39.0113, 14.6009



35.0962, 39.0113, 149.2842



62.3809, 39.0113, 20.0884

Complementary

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



21.1102, 39.0113, 14.6009



26.9963, 14.0037, 25.3268

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.



65.3878, 39.0113, 48.5264



21.1102, 39.0113, 14.6009



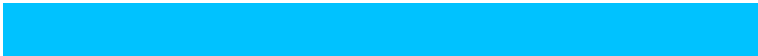
47.8016, 39.0113, 135.8558

Square

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



21.1102, 39.0113, 14.6009



25.2857, 39.0113, 123.6842



59.5678, 39.0113, 93.2131



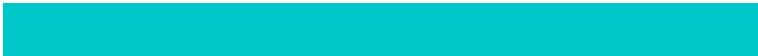
52.0654, 39.0113, 7.9504

Rectangle

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



21.1102, 39.0113, 14.6009



18.8559, 39.0113, 62.1619



59.5678, 39.0113, 93.2131



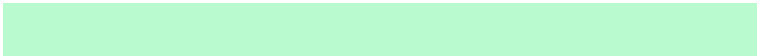
64.3631, 39.0113, 27.4595

Sweetspot

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



21.1112, 39.0129, 14.6018



65.3559, 83.0988, 71.3599



30.2230, 43.8664, 7.9730



13.4431, 17.5465, 14.5145



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.



21.1112, 39.0129, 14.6018



35.7274, 68.9382, 19.6675



26.1385, 41.0238, 41.0754



10.0798, 11.3130, 11.4237



13.3391, 25.6297, 7.6787



0.6087, 1.1203, 0.5023

Inverse Universe

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



26.9963, 14.0037, 25.3268



46.3268, 23.0808, 38.3799



23.1787, 12.4767, 5.2236



10.3499, 10.1886, 11.9333



17.2867, 8.6044, 14.6876



0.7778, 0.3841, 0.7973

Previews

White Background



This preview shows how the XYZ color 21.1102, 39.0113, 14.6009 looks on a white background.

Color Contrast Check

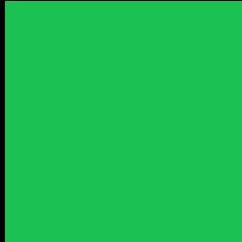
Large Text (above 18pt) WCAG AA × Fail

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 21.1102, 39.0113, 14.6009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

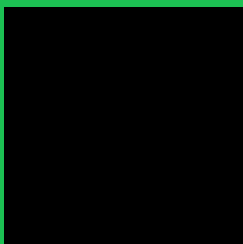
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

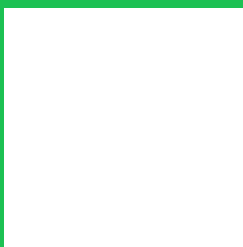
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1102, 39.0113, 14.6009

Background



This preview shows how black text looks on a background with the XYZ color 21.1102, 39.0113, 14.6009.



This preview shows how white text looks on a background with the XYZ color 21.1102, 39.0113,

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

21.1102, 39.0113, 14.6009

Protanopia

35.0963, 38.4597, 12.2303

Deuteranopia

38.9585, 38.2655, 15.4579



Tritanopia

29.7959, 38.7387, 58.1315

Trichromacy



Original Color

21.1102, 39.0113, 14.6009



Protanomaly

25.8026, 36.1899, 12.8331



Deuteranomaly

27.0135, 35.3361, 14.8480



Tritanomaly

25.1898, 38.0566, 37.0284

Monochromacy



Original Color

21.1102, 39.0113, 14.6009



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.2090, 26.7058, 20.0619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1102, 39.0113, 14.6009 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(28, 193, 83)` looks like.

```
.text, #text, p{  
    color:rgb(28, 193, 83)  
}
```

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(28, 193, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 193, 83) }
```

Border

The CSS property to change the border of an element to XYZ 21.1102, 39.0113, 14.6009 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(28, 193, 83) }
```


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

```
.border{ border-color:rgb(28, 193, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 193, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 193, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 193, 83);  
box-shadow:4px 4px 4px 4px rgb(28, 193,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1102, 39.0113, 14.6009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 193, 83) }
```

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

```
.background{ background-color: rgb(28, 193,  
83) }
```

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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