

Converting Colors

XYZ(20.1296, 39.0362, 7.9014)

Have a look what the booklet for
XYZ(20.1296, 39.0362, 7.9014)
contains.

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Color

**XYZ(20.1017, 38.9694,
7.9012)**

Conversions

Conversions Part 1

Format	Color
Hex	1EC221
RGB	30, 194, 33
RGB Percent	12%, 76%, 13%
CMY	0.8824, 0.2392, 0.8706
CMYK	0.85, 0.00, 0.83, 0.24
HSL	121°, 73%, 44%
HSV	121°, 85%, 76%
XYZ	20.1017, 38.9694, 7.9012
YIQ	126.6100, -46.0630, -84.8390

Conversions

Conversions Part 2

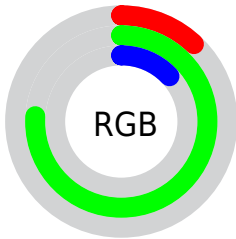
Format	Color
R_{YB}	30, 191, 194
Decimal	2015777
CIE Lab	68.73, -67.31, 62.66
CIE LCh	69, 91.966, 137.049
Yxy	38.9694, 0.3001, 0.5819
Android (android.graphics.Color)	4280205857 (0xFF1EC221)
YUV	126.6100, -46.1497, -84.7270
Hunter-Lab	62.4255, -51.7656, 36.1935

Details

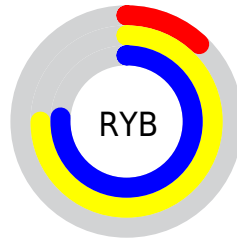
The XYZ color **20.1017, 38.9694, 7.9012** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **32.1167, 16.1597, 50.7137**, and the grayscale version is **20.2044, 21.2566, 23.1485**.

A 20% lighter version of the original color is **43.0929, 73.6623, 22.3030**, and **9.2326, 18.4652, 3.0775** is the 20% darker color. If you saturate the color by 10%, you get **19.5044, 38.6852, 6.8532**, and if you desaturate by 10%, it is **21.1996, 39.4965, 9.7613**.

Distribution



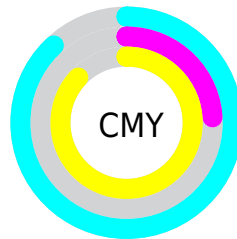
- Red (12%)
- Green (76%)
- Blue (13%)



- Red (12%)
- Yellow (75%)
- Blue (76%)



- Cyan (85%)
- Magenta (0%)
- Yellow (83%)
- Black (24%)





- Cyan (88%)
- Magenta (24%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1017, 38.9694, 7.9012 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 20.1017, 38.9694, 7.9012 by changing the saturation by 10% instead.


 20.1017, 38.9694,
7.9012


 20.1017, 38.9694,
7.9012


245.2882,
341.7604, 184.8606


 12.5777, 26.7359,
3.9449


 43.0903, 73.5916,
22.3075

 7.2134, 17.3750,
1.5952


 59.2855, 96.7491,
33.5946


 3.6434, 10.5022,
0.2874


 79.1019, 124.3167,
48.1624

 1.5024, 5.7332,
0.0000

 102.9048,
156.6788, 66.4294

 0.3275, 2.6835,
0.0000

 131.0595,
194.2198, 88.8142

 0.0000, 0.9688,
0.0000

 163.9314,

 0.0000, 0.0000,

237.3242, 115.7353

0.0000

201.8859,
286.3762, 147.6112

■ 20.1017, 38.9694,
7.9012

■ 20.1017, 38.9694,
7.9012

■ 19.5044, 38.6852,
6.8532

■ 21.1996, 39.4965,
9.7613


■ 19.3121, 38.5930,
6.5335


■ 22.8731, 40.2993,
12.5506

■ 25.1876, 41.4103,
16.3699


■ 28.1988, 42.8565,
21.3064

■ 31.9566, 44.6619,
27.4380

 36.5062, 46.8482,
34.8355

 41.8893, 49.4357,
43.5644

 48.1444, 52.4428,
53.6856

 55.3081, 55.8871,
65.2561

Harmonies

Analogous

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



29.4263, 38.9694, 2.6775



20.1017, 38.9694, 7.9012



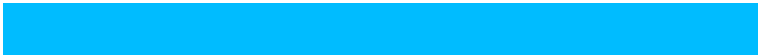
15.9145, 38.9694, 26.8855

Triad

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



20.1017, 38.9694, 7.9012



31.1152, 38.9694, 178.2431



70.7483, 38.9694, 23.0060

Complementary

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



20.1017, 38.9694, 7.9012



32.1167, 16.1597, 50.7137

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.



71.5484, 38.9694, 63.0449



20.1017, 38.9694, 7.9012



45.8635, 38.9694, 174.4102

Square

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



20.1017, 38.9694, 7.9012



21.0577, 38.9694, 132.2636



61.5264, 38.9694, 123.8056



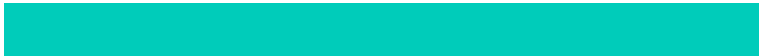
59.5635, 38.9694, 6.6524

Rectangle

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



20.1017, 38.9694, 7.9012



15.6313, 38.9694, 53.0440



61.5264, 38.9694, 123.8056



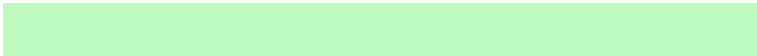
72.3273, 38.9694, 33.3375

Sweetspot

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



20.1026, 38.9710, 7.9021



65.3705, 84.5052, 61.8652



41.0808, 49.7903, 8.6736



13.6414, 18.1818, 12.4525



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.



20.1026, 38.9710, 7.9021



34.9773, 69.9139, 11.7842



22.9073, 40.0929, 22.6712



9.9518, 11.2618, 10.7493



12.6999, 25.3740, 4.3130



0.5514, 1.0974, 0.2002

Inverse Universe

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



32.1167, 16.1597, 50.7137



57.2233, 27.5456, 90.9606



25.4881, 13.5082, 15.8078



10.4891, 10.2442, 12.6660



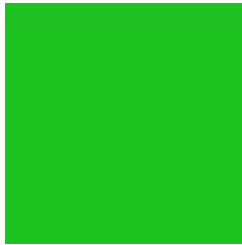
20.7735, 9.9992, 33.0490



0.9002, 0.4331, 1.4416

Previews

White Background



This preview shows how the XYZ color 20.1017, 38.9694, 7.9012 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 20.1017, 38.9694, 7.9012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

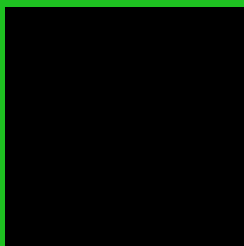
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.1017, 38.9694, 7.9012

Background



This preview shows how black text looks on a background with the XYZ color 20.1017, 38.9694, 7.9012.



This preview shows how white text looks on a background with the XYZ color 20.1017, 38.9694,

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

20.1017, 38.9694, 7.9012

Protanopia

34.4877, 38.2724, 6.4893

Deuteranopia

38.8591, 38.1115, 8.5570



Tritanopia

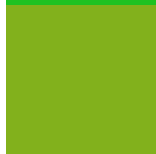
30.1205, 38.9192, 57.5544

Trichromacy



Original Color

20.1017, 38.9694, 7.9012



Protanomaly

25.1377, 36.2739, 6.7753



Deuteranomaly

26.3643, 35.1549, 7.8787



Tritanomaly

24.1828, 38.0192, 29.3564

Monochromacy



Original Color

20.1017, 38.9694, 7.9012



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.4560, 25.1988, 14.2998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1017, 38.9694, 7.9012 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(30, 194, 33)` looks like.

```
.text, #text, p{  
    color:rgb(30, 194, 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(30, 194, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 194, 33) }
```

Border

The CSS property to change the border of an element to XYZ 20.1017, 38.9694, 7.9012 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(30, 194, 33) }
```


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

```
.border{ border-color:rgb(30, 194, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 194, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 194, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 194, 33);  
box-shadow:4px 4px 4px 4px rgb(30, 194,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1017, 38.9694, 7.9012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 194, 33) }
```

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

```
.background{ background-color: rgb(30, 194,  
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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